



Fundy Model Forest

~Partners in Sustainability~

Report Title: Moth Diversity in an Old-Growth Forest: Summary of the Wolfe Lake Site, Fundy National Park, 1994

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**The Fundy Model Forest...
...Partners in Sustainability**

"The Fundy Model Forest (FMF) is a partnership of 38 organizations that are promoting sustainable forest management practices in the Acadian Forest region."

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Canadian Institute of Forestry
Canadian Forest Service
City of Moncton
Conservation Council of New Brunswick
Fisheries and Oceans Canada
Indian and Northern Affairs Canada
Eel Ground First Nation
Elgin Eco Association
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Sussex Fish and Game Association
Town of Sussex
Université de Moncton
University of NB, Fredericton - Faculty of Forestry
University of NB - Saint John Campus
Village of Petitcodiac
Washademoak Environmentalists



MOTH DIVERSITY IN AN OLD-GROWTH FOREST
- SUMMARY OF THE WOLFE LAKE SITE,
FUNDY NATIONAL PARK, 1994

by

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Introduction

Measures of diversity are frequently seen as indicators of the well being of ecosystems and can be used to gauge the effects of environmental disturbance through any number of factors. Species diversity consists of two components, i) the variety of species or species richness, and ii) the relative abundance of species. The major applications of diversity measurements are in nature conservation and environmental monitoring. In both cases, high diversity is held to be synonymous with ecological quality. Impacted ecosystems often show a shift in the pattern of species abundance (rare species often disappear), a change in dominance (one species often becomes relatively very abundant), and a change in species richness (usually a reduction).

This summary lists the 15,851 individual moths in 401 species in 14 families that were taken in the mixed-wood old-growth forest on the western edge of Wolfe Lake, Fundy National Park. As such it is the first step in characterizing the species diversity of such a forest that is to serve as baseline data from which to evaluate the impact of human activities on forest ecosystems in the region. It also serves as baseline data for assessing future (natural) changes in a relatively unperturbed forest ecosystem, and expands our knowledge of animal community structure in an old-growth forest in the Acadian forest region of Canada.

This summary consists of five parts.

PART I

A graphical representation of the seasonal flight periods of the 401 species, prioritized by the first occurrence of each species and based on the weekly catches of individual moths. The data show a progression of species appearances from early May until the end of September.

PART II

Uses the same database as PART I but arranges the species names alphabetically thus allowing for quick retrieval of seasonal flight periods and relative abundance data for any species.

PART III

Uses the same basic format as above, but arranges the data based on the phylogenetic relationships of the species. Most species are in the families Geometridae and Noctuidae.

PART IV

Arranges the data based on the relative abundances of the species from the most common to the rarest. This 'species abundance frequency distribution' is one measure of community structure that forms the basis, along with species richness, for comparing

biodiversity between forest sites.

PART V

This section consists of a series of 4 charts that summarize the data.

Chart 1. Shows the number of individual moths caught per week; peak catch was between June 26 and July 9 (weeks 26 and 27).

Chart 2. Shows the number of species caught per week; peak numbers of species occurred between June 26 and July 16 (weeks 26, 27, and 28).

Chart 3. Shows the numbers of previously unrecorded ('new species') captured each week. The numbers reached a peak between June 12-18 (week 24) but were also high between June 26-July 9 (weeks 26 and 27). Note that 'new species' appeared during every week of the season.

Chart 4. Shows the species accumulation curve on a daily basis. There was a rapid increase in 'new species' between June 12 (day 163) and July 14 (day 195).

Acknowledgements

We thank Jim Edsall (Moncton), Dr. Douglas Ferguson (Washington, D.C.), and Dr. Reggie Webster (Fredericton) for identification of some of the species, and Sheila Lee Berube for converting the raw data into the graphical formats.

DE-CODING SHEET FOR GRAPHICAL FORMATS

Maximum catch, if greater than 9 moths

Note: traps not operating on weeks 36, 37, and 38

Week	Date Range
19	May 8-14
20	May 15-21
21	May 22-28
22	May 29-June 4
23	June 5-11
24	June 12-18
25	June 19-25
26	June 26-July 2
27	July 3- 9
28	July 10-16
29	July 17-23
30	July 24-30
31	July 31-Aug. 6
32	Aug. 7-13
33	Aug. 14-20
34	Aug. 21-27
35	Aug. 28-Sept. 3
39	Sept. 25-Oct. 1

PART I



WOLFE LAKE - 1994

FLIGHT PERIODS FOR SPECIES WHOSE FIRST OCCURRENCE WAS

WEEK 19 - May 8 - 14

Maximum catch, if greater than 9 moths

Note: trans not operating on weeks 36, 37, and 38

Week	Date Range
19	May 8-14
20	May 15-21
21	May 22-28
22	May 29-June 4
23	June 5-11
24	June 12-18
25	June 19-25
26	June 26-July 2
27	July 3- 9
28	July 10-16
29	July 17-23
30	July 24-30
31	July 31-Aug. 6
32	Aug. 7-13
33	Aug. 14-20
34	Aug. 21-27
35	Aug. 28-Sept. 3
39	Sept. 25-Oct. 1

CAT#	SPECIES NAME	WEEK																	SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
9875	Xylena thoracica																				1
9916	Lithophane unimoda																				1
9917	Lithophane fagina																				5
7459	Eupithecia columbiata																				34
6597	Ectropis crepuscularia																				43
6668	Lomographa glomeraria																				59
7428	Venusia comptaria																				11
6621	Melanolophia signataria																				169
6842	Plagodis phlogosaria																				219

CAT#	NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
9876	Xylena cineritia																				2
9933	Eupsilia vinulenta																				1
9936	Eupsilia morrisoni																				1
10005	Feralia jocosa																				4
7933	Glaphisia avimacula																				5
6804	Petrophora subaequaria																				3
6570	Aethalura intertexta																				68
8697	Zale minerea																				125
6252	Drepana bilineata																				136

WOLFE LAKE - 1994

FLIGHT PERIODS FOR SPECIES WHOSE FIRST OCCURRENCE WAS WEEK 22 - May 29-June 4

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9909	Lithophane tepida																					1
9928	Lithophane thaxteri																					1
6811	Homochlodes lactispargaria																					2
7605	Eupithecia ravocostaliata																					1
6817	Selenia alciphearia																					17
7994	Heterocampa guttivitta																					19
7687	Phyllodesma americana																					25
7390	Xanthorhoe lacustrata																					6
10663	Agrotis epsilon																					9
9184	Colocasia flavicornis																					30
6251	Drepana arcuata																					81
6344	Semiothisa signaria dispuncta																					217

CAT#	NAME	WEEK																SUM				
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
10994	Cerastis tenebrifera																					1
7635	Acasis viridata																					1
8713	Zale lunifera																					1
8694	Zale aeruginosa																					3
6966	Eutrapela clemataria																					13
6822	Metarranthis duaria																					18
6428	Orthofidonia tintaria																					5
7822	Smerinthus cerisyi																					9
6818	Selenia kentaria																					5
10298	Lacanobia radix																					5
7489	Eupithecia lariciata																					14
6807	Tacparia detersata																					17
7821	Smerinthus jamaicensis																					49
6840	Plagodis serinaria																					81
8970	Baileya ophthalmica																					43
9177	Panthea acronyctoides																					63
6838	Probola amicaria																					128
6620	Melanolophia canadaria																					49
6885	Besma quercivoria																					47
10521.1	Morrisonia latex																					44
10292	Melanchra adjuncta																					55
9261	Acronicta impressa																					16
10438	Pseudaleitia unipuncta																					35

CAT#	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6347	<i>Semiothisa pinistrobata</i>																					4
6429	<i>Orthofidonia exornata</i>																					6
6430	<i>Orthofidonia flavivenata</i>																					1
6582	<i>Anacamptodes vellivolata</i>																					1
6640	<i>Biston betularia cognataria</i>																					17
6667	<i>Lomographa vestaliata</i>																					4
6734	<i>Euchlaena marginaria</i>																					2
6812	<i>Homochlodes fritillaria</i>																					18
6836	<i>Anagoga occiduaria</i>																					13
7213	<i>Ecliptopera silacea alboleuca</i>																					15
7307	<i>Mesoleuca ruficiliata</i>																					5
7330	<i>Anticlea multiferata</i>																					3
7474	<i>Eupithecia miserulata</i>																					13
7492	<i>Eupithecia casloata</i>																					12
7574	<i>Eupithecia albicapitata</i>																					2
7640	<i>Lobophora nivigerata</i>																					4
7812	<i>Sphinx drupiferarum</i>																					1
7825	<i>Paonias myops</i>																					16
7901	<i>Clostera apicalis</i>																					15
7922	<i>Pheosia rimosa</i>																					2
7926	<i>Notodonta scitipennis</i>																					9
8134	<i>Spilosoma congrua</i>																					17
8137	<i>Spilosoma virginica</i>																					4
8156	<i>Phragmatobia fuliginosa rubricosa</i>																					9
8717	<i>Zale horrida</i>																					16
8969	<i>Baileya doubledayi</i>																					5
9050	<i>Lithacodia concinnimacula</i>																					5
9065	<i>Leuconycta diphteroides</i>																					7
9189	<i>Charadra deridens</i>																					3
9257	<i>Acronicta impleta</i>																					13
9259	<i>Acronicta noctivaga</i>																					15
9364	<i>Apamea finitima</i>																					2
10303	<i>Lacanobia tacoma</i>																					13
10563	<i>Protorthodes oviduca</i>																					2
9582	<i>Nedra ramosula</i>																					2
7229	<i>Hydriomena perfracta</i>																					2
7810	<i>Sphinx gordius</i>																					50
8158	<i>Phragmatobia assimilans</i>																					12
6844	<i>Plagodis alcoolaria</i>																					78
6235	<i>Habrosyne scripta</i>																					289
6964	<i>Tetracis cachexiata</i>																					74
7235	<i>Hydriomena divisaria</i>																					43
7449	<i>Eupithecia palpata</i>																					117
7487	<i>Eupithecia subfuscata</i>																					362
7520	<i>Eupithecia satyrata dodata</i>																					23
7715	<i>Dryocampa rubicunda</i>																					14

CAT#	NAME	WEEK																SUM				
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9226	<i>Acronicta noctivaga</i>																					22
7915	<i>Nadata gibbosa</i>																					394
8214	<i>Lophocampa maculata</i>																					41
9212	<i>Acronicta grisea</i>																					463
9229	<i>Acronicta hasta</i>																					37
9241	<i>Acronicta fragilis</i>																					523
9546	<i>Phlogophora iris</i>																					261
10294	<i>Melanchra pulverulenta</i>																					12
10300	<i>Spiramater grandis</i>																					62
10301	<i>Spiramater lutra</i>																					193
10999	<i>Aplectoides condita</i>																					292
6963	<i>Tetracis crocallata</i>																					41
6755	<i>Pero morrisonaria</i>																					175
10587	<i>Orthodes cynica</i>																					329
7419	<i>Hydrelia lucata</i>																					156
7236	<i>Hydriomena renunciata</i>																					122
7824	<i>Paonias excaecatus</i>																					1253
7139	<i>Cyclophora pendulinaria</i>																					298
7919	<i>Peridea basitriens</i>																					233
7921	<i>Peridea ferruginea</i>																					337
9207	<i>Acronicta innotata</i>																					254
9048	<i>Lithacodia albidula</i>																					38
9678	<i>Elaphria versicolor</i>																					301
6863	<i>Caripeta divisata</i>																					290

CAT#	NAME	WEEK																SUM				
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6253	<i>Eudeilinia herminiata</i>																					3
6763	<i>Nacophora queraria</i>																					2
7293	<i>Rheumaptera hastata</i>																					1
7048	<i>Nemoria mimosaria</i>																					14
7368	<i>Xanthorhoe labradorensis</i>																					2
8338	<i>Phalaenophana pyramusalis</i>																					6
8397	<i>Palthis angulalis</i>																					4
7828	<i>Pachysphinx modesta</i>																					1
7895	<i>Closteria albosigma</i>																					3
7958	<i>Dasylophia thyatiroides</i>																					6
7995	<i>Heterocampa biundata</i>																					19
7425	<i>Venusia cambrica</i>																					12
7494	<i>Eupithecia sheppardata</i>																					4
7528	<i>Eupithecia assimilata</i>																					5
8455	<i>Lomanaltes eductalis</i>																					17
9206	<i>Acronicta leporina vulpina</i>																					15
8909	<i>Autographa rubida</i>																					1
9286	<i>Harrisimemna trisignata</i>																					7
9066	<i>Leuconycta lepidula</i>																					1
10197	<i>Cucullia florea</i>																					2
10199	<i>Cucullia ormissa</i>																					1
7529	<i>Eupithecia absinthiata</i>																					2
9578.1	<i>Hyppa "xylinoides"</i>																					1
7420	<i>Hydrelia condensata</i>																					21
7526	<i>Eupithecia russeliata</i>																					26
9200	<i>Acronicta americana</i>																					71
9203	<i>Acronicta dactylina</i>																					74
9545	<i>Euplexia benesimilis</i>																					28
9681	<i>Elaphria festivoides</i>																					101
10891	<i>Ochropleura plecta</i>																					39
7650	<i>Callizzia amorata</i>																					105
6588	<i>Iridopsis larvaria</i>																					33
6330	<i>Semiothisa ulsterata</i>																					82
6237	<i>Pseudohyatira cymatophoroides</i>																					76
7320	<i>Perizoma alchemillata</i>																					41
8007	<i>Schizura unicornis</i>																					58

	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
CAT#																						
2554	<i>Synanthedon acerni</i>																					1
6326	<i>Semiothisa aemulataria</i>																					3
6637	<i>Eufidonia convergaria</i>																					1
6740	<i>Xanthotype urticaria</i>																					15
6815	<i>Gueneria similaria</i>																					11
6826	<i>Metarranthis hypocharia</i>																					1
6864	<i>Caripeta piniata</i>																					10
7188	<i>Dysstroma walkera</i>																					2
7388	<i>Xanthorhoe ferrugata</i>																					7
7430	<i>Trichodezia albovittata</i>																					4
7575	<i>Eupithecia mutata</i>																					8
7594	<i>Eupithecia anticaria</i>																					2
7757	<i>Antheraea polyphemus</i>																					10
7931	<i>Glaphisia septentrionis</i>																					1
7953	<i>Symmerista leucitys</i>																					1
8006	<i>Schizura badia</i>																					9
8012	<i>Oligocentria semirufescens</i>																					4
8129	<i>Pyrhartia isabella</i>																					3
8140	<i>Hyphantria cunea</i>																					1
8267	<i>Cisseps fulvicollis</i>																					18
8351	<i>Zanclognatha cruralis</i>																					7
8444	<i>Bomolocha palparia</i>																					1
8727	<i>Parallelia bistriaris</i>																					3
8912	<i>Autographa mappa</i>																					3
8923	<i>Autographa ampla</i>																					1
9046	<i>Lithacodia bellicula</i>																					1
9059	<i>Capis curvata</i>																					3
9211	<i>Acronicta tritona</i>																					3
9221	<i>Acronicta funeralis</i>																					15
9272	<i>Acronicta oblinita</i>																					3
9281	<i>Agriopodes fallax</i>																					16
9556	<i>Chytonix palliatricula</i>																					17
9633	<i>Callopistria cordata</i>																					9
10295	<i>Melanchra assimilis</i>																					3
10372	<i>Lacinipolia anguina</i>																					6
10922	<i>Diarsia freemani</i>																					9
10947	<i>Xestia oblata</i>																					1
10993	<i>Hemipachnobia subporphyrea</i>																					31
4652	<i>Tortricidia testacea</i>																					20
6820	<i>Metanema determinata</i>																					29
8011	<i>Schizura leptinoides</i>																					145
8162	<i>Platarctia parthenos</i>																					20
8940	<i>Syngrapha astraea</i>																					228
9249	<i>Acronicta increta</i>																					

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9251	Acronicta retardata																					26
10405	Lacinipolia lorea																					13
11001	Anaplectoides pressus																					75
9578.2	Hyppa "ancocisconensis"																					51
6725	Euchlaena muzaria																					43
6598	Protoboarmia porcelaria																					38
7540	Eupithecia perfusca																					34
8005	Schizura ipomoeae																					116
11008	Eueretagrotis perattenta																					44
11010	Heptagrotis phyllophora																					53

CAT#	NAME	WEEK														SUM						
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
18	<i>Sthenopis argenteomaculatus</i>																					2
4654	<i>Tortricidia flexuosa</i>																					3
4659	<i>Packardia geminata</i>																					1
6343	<i>Semiothisa sexmaculata</i>																					1
6349	<i>Semiothisa banksianae</i>																					2
6590	<i>Anavitrinella pampinaria</i>																					1
9193	<i>Raphia frater</i>																					4
6677	<i>Cabera erythema</i>																					10
6678	<i>Cabera variola</i>																					2
6743	<i>Xanthotype sospeta</i>																					10
6819	<i>Metanema inatomaria</i>																					7
7164	<i>Scopula junctaria</i>																					2
7189	<i>Dysstroma hersiliata</i>																					7
7194	<i>Dysstroma brunneata</i>																					6
7312	<i>Spargania magnoliata</i>																					8
7370	<i>Xanthorhoe abrasaria congregata</i>																					4
7371	<i>Xanthorhoe iduata</i>																					4
7416	<i>Orthonama centrostrigaria</i>																					1
7423	<i>Hydrelia albifera</i>																					2
7625	<i>Chloroclystis rectangulata</i>																					3
7886	<i>Darapsa pholus</i>																					2
7990	<i>Heterocampa umbrata</i>																					2
8098	<i>Clemensia albata</i>																					6
8304	<i>Dasychira plagiata</i>																					11
8356	<i>Chytolita petrealis</i>																					12
8370	<i>Bleptina caradrinalis</i>																					6
8442	<i>Bomolocha baltimorensis</i>																					3
8443	<i>Bomolocha bijugalis</i>																					3
8939	<i>Syngrapha alias</i>																					16
9047	<i>Lithacodia muscosula</i>																					11
9053	<i>Lithacodia carneola</i>																					2
9326	<i>Apamea verbascoides</i>																					4
9341	<i>Apamea vultuosa</i>																					2
9638	<i>Amphipyra pyramidoides</i>																					11

CAT#	SPECIES NAME	WEEK																	SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
10370	<i>Lacinipolla lustralis</i>																			3
10449	<i>Leucania insueta</i>																			4
10926	<i>Spaelotis clandestina</i>																			5
10288	<i>Polia distracta</i>																			34
6654	<i>Hypagyrtis unipunctata</i>																			61
6796	<i>Campaea perlata</i>																			41
7187	<i>Dysstroma truncata traversata</i>																			92
7698	<i>Malacosoma disstria</i>																			328
8322	<i>Idia americalis</i>																			49
10919	<i>Diarsia jucunda</i>																			89
11000	<i>Anaplectoides prasina</i>																			62
31	<i>Korscheltellus gracilis</i>																			63
6656	<i>Hypagyrtis piniata</i>																			115
7159	<i>Scopula limboundata</i>																			34
11009	<i>Eueretogrotis attenta</i>																			48

CAT#	SPECIES NAME	WEEK														SUM						
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6867	<i>Caripeta angustiorata</i>																					1
7132	<i>Pleuroprucha insularia</i>																					1
7701	<i>Malacosoma americanum</i>																					6
7787	<i>Ceratomia undulosa</i>																					1
7939	<i>Furcula occidentalis</i>																					2
7998	<i>Heterocampa manteo</i>																					4
8017	<i>Oligocentria lignicolor</i>																					5
8111	<i>Haploa lecontei</i>																					5
8114	<i>Holomelina laeta treatii</i>																					8
8197	<i>Apantesis virgo</i>																					2
8319	<i>Leucoma salicis</i>																					1
8326	<i>Idia rotundalis</i>																					5
8362	<i>Phalaenostola metonalis</i>																					12
8942	<i>Syngrapha rectangula</i>																					1
8950	<i>Plusia putnami</i>																					3
9333	<i>Apamea lignicolora</i>																					2
9348	<i>Apamea ampulatrix</i>																					1
9359	<i>Apamea commoda</i>																					2
9367.1	<i>Agroperina cogitata</i>																					1
9653	<i>Caradrina morpheus</i>																					13
10446	<i>Leucania multilinea</i>																					14
10929	<i>Eurois occulta</i>																					15
10942	<i>Xestia c-nigrum adela</i>																					2
10589.1	<i>Orthodes goodelli</i>																					30
8341	<i>Zanclognatha theralis</i>																					39
10275	<i>Polia nimbosa</i>																					84
10276	<i>Polia imbrifera</i>																					130
8323.1	<i>Idia n.sp.nr. aemula</i>																					66
8349	<i>Zanclognatha protumnusalis</i>																					

CAT#	SPECIES NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
22	<i>Sthenopis auratus</i>																				2
6287	<i>Itame anataria</i>																				7
6304	<i>Itame bitactata</i>																				11
6965	<i>Eugonobapta nivosaria</i>																				10
7414	<i>Orthonama obstipata</i>																				2
8123	<i>Holomelina ferruginosa</i>																				2
8186	<i>Apantesis williamsli</i>																				3
8203	<i>Halysidota tessellaris</i>																				1
8896	<i>Diachrysia aereoides</i>																				3
8897	<i>Diachrysia balluca</i>																				1
9437	<i>Chortodes inquinata</i>																				3
10293	<i>Melanchna picta</i>																				1
10928	<i>Graphiphora augur haruspica</i>																				3
11164	<i>Schinia florida</i>																				1
7316	<i>Perizoma basaliata</i>																				62
6273	<i>Itame pustularia</i>																				161
7206	<i>Eulithis explanata</i>																				61
11012	<i>Cryptocala acadiensis</i>																				20

CAT#	NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
6303	<i>Itame subcessaria</i>																				1
7394	<i>Epirrhoe alternata</i>																				1
7941	<i>Furcula modesta</i>																				1
8404	<i>Rivula propinqualis</i>																				2
8536	<i>Calyptra canadensis</i>																				1
8929	<i>Syngrapha viridisigma</i>																				13
8953	<i>Plusia venusta</i>																				1
10055	<i>Apharetra dentata</i>																				4
10065	<i>Homohadena infixa</i>																				3
10304	<i>Trichordestra legitima</i>																				1
10431	<i>Faronta diffusa</i>																				1
10917	<i>Diarsia rubifera</i>																				23
11029	<i>Abagrotis alternata</i>																				3
6912	<i>Sicya macularia</i>																				23
7009	<i>Nematocampa resistaria</i>																				92
10930	<i>Eurois astricta</i>																				87
10962	<i>Xestia perquiritata</i>																				78
9547	<i>Phlogophora periculosa</i>																				46
10943	<i>Xestia normaniana</i>																				73
10944	<i>Xestia smithii</i>																				56
7182	<i>Dysstroma citrata</i>																				72

CAT#	SPECIES NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
7208	<i>Eulithis serrataria</i>												■								3
7928	<i>Notodonta simplaria</i>												■	■							1
8352	<i>Zanclognatha jacchatalis</i>												■	■							1
8738	<i>Caenurgia crassiuscula</i>												■	■							1
8776	<i>Catocala coelebs</i>												■	■							2
9367	<i>Agroperina dubitans</i>												■	■							1
9396	<i>Eremobina claudens</i>												■	■	■						5
9454	<i>Amphipoea velata</i>												■	■	■						2
9564	<i>Andropolia contacta</i>												■	■							2
9647	<i>Proxenus miranda</i>												■	■							1
10280	<i>Polia purpurissata</i>												■	■							3
10397	<i>Lacinipolia renigera</i>												■	■							1
10406	<i>Lacinipolia olivacea</i>												■	■	■	■	■				15
10436	<i>Aletia oxygala</i>												■	■	■	■	■				1
10627	<i>Tricholita signata</i>												■	■	■	■	■				4
11004	<i>Protolampra rufipectus</i>												■	■	■	■	■				5

CAT#	NAME	WEEK																SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
6798	<i>Ennomos subsignaria</i>																				7
6982	<i>Prochoerodes transversata</i>																				18
8846	<i>Catocala sordida</i>																				3
8925	<i>Syngrapha altera</i>																				1
8926	<i>Syngrapha octoscripta</i>																				1
9639	<i>Amphipyra tragopoginis</i>																				2
10915	<i>Peridroma saucia</i>																				1

WOLFE LAKE - 1994

FLIGHT PERIODS FOR SPECIES WHOSE FIRST OCCURRENCE WAS WEEK 33 - Aug. 14 - 20

CAT#	NAME	WEEK															SUM				
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
8941	Syngrapha cryptica																				1
8867	Catocala blandula																				1
10968	Anomogyna badicollis																				15
6888	Lambdina fiscellaria																				301
9878	Lithomoia germana																				19

WOLFE LAKE - 1994

FLIGHT PERIODS FOR SPECIES WHOSE FIRST OCCURRENCE WAS WEEK 34 - Aug. 21 - 27

CAT#	SPECIES NAME	WEEK																SUM					
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
8316	Orgyia leucostigma plagiata																					7	
9989	Sutyna privata																						2
10970	Anomogyna youngii																						1

CAT#	SPECIES NAMES	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
7673	Tolype laricis																					6
8857	Catocala ultronia																					5
9952	Eucirroedia pampina																					3
9961	Anathix ralla																					1
10123	Oncocnemis piffardi																					1
10524	Nephelodes minians																					1
10756	Euxoa campestris																					1
6797	Ennomos magnaria																					56

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6898	<i>Cingilia catenaria</i>																					1
7433	<i>Epirrita autumnata</i>																					34
8833	<i>Catocala concumbens</i>																					4
9420	<i>Oligia illocata</i>																					24
9427	<i>Meropleon diversicolor</i>																					4
9480	<i>Papalpema pterisii</i>																					3
9490	<i>Papaipema nepheleptena</i>																					1
9509	<i>Papaipema unimoda</i>																					5
9935	<i>Eupsilia tristigmata</i>																					4
9957	<i>Sunira bicolorago</i>																					5
9965	<i>Xanthia togata</i>																					1
9967	<i>Hillia iris</i>																					1
9976	<i>Platypolia anceps</i>																					8
10942.1	<i>Xestia dolosa</i>																					1
																						1

PART II

Cat#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
11029	<i>Abagrotis alternata</i>																					3
7635	<i>Acasis viridata</i>																					1
9200	<i>Acronicta americana</i>																					71
9203	<i>Acronicta dactylinia</i>																					74
9241	<i>Acronicta fragilis</i>																					523
9221	<i>Acronicta funeralis</i>																					3
9212	<i>Acronicta grisea</i>																					463
9229	<i>Acronicta hasta</i>																					37
9257	<i>Acronicta impleta</i>																					13
9261	<i>Acronicta impressa</i>																					16
9249	<i>Acronicta increta</i>																					228
9207	<i>Acronicta innotata</i>																					254
9206	<i>Acronicta leporina vulpina</i>																					15
9259	<i>Acronicta noctivaga</i>																					15
9272	<i>Acronicta obliqua</i>																					26
9251	<i>Acronicta retardata</i>																					22
9226	<i>Acronicta superans</i>																					3
9211	<i>Acronicta tritoma</i>																					68
6570	<i>Aethalura intertexta</i>																					3
9281	<i>Agriopodes fallax</i>																					2
9367.1	<i>Agroperina cogitata</i>																					1
9367	<i>Agroperina dubitans</i>																					1
10663	<i>Agrotis ipsilon</i>																					9
10436	<i>Aletia oxgala</i>																					1
9454	<i>Amphipoea velata</i>																					2
9638	<i>Amphipyra pyramidoides</i>																					11
9639	<i>Amphipyra tragopogonis</i>																					2
6582	<i>Anacamptodes vellivolata</i>																					1
6836	<i>Anagoga occiduaria</i>																					13
11000	<i>Anaplectoides prasina</i>																					62
11001	<i>Anaplectoides pressus</i>																					75
9961	<i>Anathix ralla</i>																					1
6590	<i>Anavitrinella pampinaria</i>																					2
9564	<i>Andropolia contacta</i>																					15
10968	<i>Anomogyna badicollis</i>																					1
10970	<i>Anomogyna youngii</i>																					2
7757	<i>Antherea polyphemus</i>																					3
7330	<i>Anticlea multiflerata</i>																					28
7329	<i>Anticlea vasiliata</i>																					1
9359	<i>Apamea commoda</i>																					2
9348	<i>Apamea amputatrix</i>																					3
9364	<i>Apamea finitima</i>																					4
9333	<i>Apamea lignicolora</i>																					4
9326	<i>Apamea verbascoides</i>																					2
9341	<i>Apamea vultuosa</i>																					2
8197	<i>Apantesis virgo</i>																					3
8186	<i>Apantesis williamsii</i>																					4
10055	<i>Apharetra dentata</i>																					292
10999	<i>Aplectoides condita</i>																					3
8923	<i>Autographa ampla</i>																					3
8912	<i>Autographa mappa</i>																					1
8909	<i>Autographa rubida</i>																					16
8969	<i>Baileya doubledayi</i>																					43
8970	<i>Baileya ophthalmica</i>																					47
6885	<i>Besma quercivoria</i>																					17
6640	<i>Biston betularia cognataria</i>																					6
8370	<i>Bleptina caradrinalis</i>																					

WOLFE LAKE - 1994 SPECIES FLIGHT PERIODS, ARRANGED ALPHABETICALLY BY GENUS

Cat#	SPECIES NAME	WEEK																	SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
8442	Bomolocha baltimorensis																			3
8443	Bomolocha bijugalis																			3
8444	Bomolocha palparia																			7
10011	Brachionycta borealis																			2
6677	Cabera erythema																			10
6678	Cabera variola																			2
8738	Caenurgia crassiuscula																			1
7650	Callizzia amorata																			105
9633	Calopistria cordata																			17
8536	Calyptro canadensis																			1
6796	Campaea perlata																			41
9059	Capis curvata																			1
9653	Caradrina morpheus																			1
6867	Caripeta angustiorata																			1
6863	Caripeta divisata																			290
6864	Caripeta piniata																			1
8867	Catocala blandula																			1
8776	Catocala coelebs																			2
8833	Catocala concumbens																			4
8846	Catocala sordida																			3
8857	Catocala ultronia																			5
10994	Cerastis tenebrifera																			1
7787	Ceratomia undulosa																			1
9189	Charadra deridens																			3
7625	Chloroclystis rectangulata																			3
9437	Chortodes inquinata																			3
8356	Chytolita petrealis																			12
9556	Chytonix palliatricula																			16
6898	Cingilia catenaria																			1
8267	Cisseps fulvicollis																			1
7639	Cladara atroliturata																			103
7637	Cladara limitaria																			148
8098	Clemencia albata																			6
7895	Closteria albosigma																			3
7901	Closteria apicalis																			15
9184	Colocasia flavicornis																			30
10501	Crocigrapha normani																			391
11012	Cryptocala acadiensis																			20
10197	Cucullia florea																			2
10199	Cucullia omissa																			1
7139	Cyclophora pendulinaria																			298
7886	Darapsa pholus																			2
8304	Dasychira plagiata																			11
7958	Dasylophia thyatiroides																			6
8896	Diachrysia aereoides																			3
8897	Diachrysia balluca																			1
10922	Diarsia freemani																			6
10919	Diarsia jucunda																			89
10917	Diarsia rubifera																			23
6251	Drepana arcuata																			81
6252	Drepana bilineata																			136
7715	Dryocampa rubicunda																			14
7194	Dysstroma brunneata																			6
7182	Dysstroma citrata																			72
7189	Dysstroma hersiliata																			7
7187	Dysstroma truncata traversata																			92
7188	Dysstroma walkerata																			10

WOLFE LAKE - 1994 SPECIES FLIGHT PERIODS, ARRANGED ALPHABETICALLY BY GENUS

Cat#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
7213	<i>Ecliptopera silacea albolineata</i>																					15
6597	<i>Ectropis crepuscularia</i>																					43
9681	<i>Elaphria festivoides</i>																					101
9678	<i>Elaphria versicolor</i>																					301
6797	<i>Ennomos magnaria</i>																					56
6798	<i>Ennomos subsignaria</i>																					7
7394	<i>Epirrhoa alternata</i>																					1
7433	<i>Epirrita autumnata</i>																					34
9396	<i>Eremobina claudens</i>																					5
6734	<i>Euchlaena marginaria</i>																					2
6725	<i>Euchlaena muzaria</i>																					43
9952	<i>Eucirroedia pampina</i>																					3
6253	<i>Eudeilinia herminiana</i>																					3
11008	<i>Eueretagrotis perattenta</i>																					44
11009	<i>Eueretagrotis attenta</i>																					48
6637	<i>Eufidonia convergaria</i>																					1
6965	<i>Eugonobapta nivosaria</i>																					10
7206	<i>Eulithis explanata</i>																					61
7208	<i>Eulithis serrataria</i>																					3
7529	<i>Eupithecia absinthiata</i>																					2
7574	<i>Eupithecia albicapitata</i>																					2
7543	<i>Eupithecia annulata</i>																					2
7594	<i>Eupithecia anticaria</i>																					8
7528	<i>Eupithecia assimilata</i>																					5
7492	<i>Eupithecia casloata</i>																					12
7459	<i>Eupithecia columbiata</i>																					34
7489	<i>Eupithecia lariciata</i>																					14
7474	<i>Eupithecia miserulata</i>																					4
7575	<i>Eupithecia mutata</i>																					117
7449	<i>Eupithecia palpata</i>																					38
7540	<i>Eupithecia perfusca</i>																					1
7605	<i>Eupithecia ravocostaliata</i>																					26
7526	<i>Eupithecia russellata</i>																					23
7520	<i>Eupithecia satyrata dodata</i>																					4
7494	<i>Eupithecia sheppardata</i>																					362
7487	<i>Eupithecia subfuscata</i>																					28
9545	<i>Euplexia benesimilis</i>																					1
9936	<i>Eupsilia morrisoni</i>																					4
9935	<i>Eupsilia tristigmata</i>																					1
9933	<i>Eupsilia vinulenta</i>																					87
10930	<i>Eurois astricta</i>																					14
10929	<i>Eurois occulta</i>																					13
6966	<i>Eutrapela clemataria</i>																					1
10756	<i>Euxoa campestris</i>																					1
10431	<i>Faronta diffusa</i>																					160
10008	<i>Feralia comstocki</i>																					4
10005	<i>Feralia jocosa</i>																					1
7941	<i>Furcula modesta</i>																					2
7939	<i>Furcula occidentalis</i>																					5
7933	<i>Gluphisia avimacula</i>																					10
7931	<i>Gluphisia septentrionis</i>																					3
10928	<i>Graphiphora augur haruspica</i>																					11
6815	<i>Gueneria similaria</i>																					289
6235	<i>Habrosyne scripta</i>																					1
8203	<i>Halysidota tessellaris</i>																					5
8111	<i>Haploa lecontei</i>																					7
9286	<i>Harrisimemna trisignata</i>																					

Cat#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
10993	Hemipachnobia subporphyrea																					1
11010	Heptagrotis phyllophora																					53
7995	Heterocampa biundata																					19
7994	Heterocampa guttivitta																					19
7990	Heterocampa umbrata																					2
7998	Heterocampa manteo																					4
9967	Hillia iris																					1
8123	Holomelina ferruginosa																					2
8114	Holomelina laeta treatii																					8
6812	Homochlodes fritillaria																					18
6811	Homochlodes lactispargaria																					2
10065	Homohadena infixa																					3
7423	Hydrelia albifera																					2
7420	Hydrelia condensata																					21
7419	Hydrelia lucata																					156
7235	Hydriomena divisaria																					43
7229	Hydriomena perfacta																					2
7236	Hydriomena renunculata																					122
6656	Hypagyrtis piniata																					115
6654	Hypagyrtis unipunctata																					61
8140	Hyphantria cunea																					3
9578.1	Hypa "xylinoides"																					1
9578.2	Hypa "ancocisconensis"																					51
8322	Idia americalis																					49
8323.1	Idia n.sp.nr. aemula																					130
8326	Idia rotundalis																					1
6588	Iridopsis larvaria																					33
6287	Itame anataria																					7
6304	Itame bitactata																					11
6273	Itame pustularia																					1
6303	Itame subcessaria																					63
31	Korscheltellus gracilis																					5
10298	Lacanobia radix																					1
10303	Lacanobia tacoma																					3
10372	Lacinipolia anguina																					13
10405	Lacinipolia lorea																					3
10370	Lacinipolia lustralis																					15
10406	Lacinipolia olivacea																					1
10397	Lacinipolia renigera																					301
6888	Lambdina fiscellaria																					4
10449	Leucania insueta																					13
10446	Leucania multilinea																					2
8319	Leucoma salicis																					7
9065	Leuconycta diphteroides																					1
9066	Leuconycta lepidula																					38
9048	Lithacodia albidula																					1
9046	Lithacodia bellicula																					2
9053	Lithacodia carneola																					5
9050	Lithacodia concinnimacula																					11
9047	Lithacodia muscosula																					19
9878	Lithomia germana																					6
9902	Lithophane baileyi																					5
9917	Lithophane fagina																					3
9893	Lithophane hemina																					9
9888	Lithophane innominata																					5
9889	Lithophane petulca																					5
9922	Lithophane pexata																					19

Cat#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9909	Lithophane tepida																					1
9928	Lithophane thaxteri																					1
9916	Lithophane unimoda																					1
7640	Lobophora nivigerata																					4
8455	Lomanaltes eductalis																					17
6668	Lomographa glomeraria																					59
6667	Lomographa vestaliata																					4
8214	Lophocampa maculata																					41
7701	Malacosoma americanum																					6
7698	Malacosoma disstria																					328
10292	Melanchra adjuncta																					55
10295	Melanchra assimilis																					9
10293	Melanchra picta																					1
10294	Melanchra pulverulenta																					12
6620	Melanolophia canadaria																					49
6621	Melanolophia signataria																					169
9427	Meropleon diversicolor																					4
7307	Mesoleuca ruficiliata																					5
10996	Metalepsis salicarum																					23
6820	Metanema determinata																					20
6819	Metanema inatomaria																					7
6819	Metanema inatomaria																					18
6822	Metarranthis duaria																					1
6826	Metarranthis hypocharia																					1
10520	Morrisonia evicta																					12
10521.1	Morrisonia latex																					44
6763	Nacophora quernaria																					2
7915	Nadata gibbosa																					394
9582	Nedra ramosula																					2
7009	Nematocampa resistaria																					92
7048	Nemoria mimosaria																					14
10524	Nephelodes minians																					1
7926	Notodontia scitipennis																					2
7928	Notodontia simplaria																					1
10891	Ochropleura plecta																					39
9420	Oligia illocata																					24
8017	Oligocentria lignicolor																					5
8012	Oligocentria semirufescens																					9
10123	Oncocnemis piffardi																					1
8316	Orgyia leucostigma plagiata																					7
10587	Orthodes cynica																					329
10589.1	Orthodes goodelli																					2
6429	Orthofidonia exornata																					6
6430	Orthofidonia flavivenata																					1
6428	Orthofidonia tinctaria																					5
7416	Orthonama centrostrigaria																					1
7414	Orthonama obstipata																					2
10495	Orthosia hibisci																					153
10490	Orthosia revicta																					39
10487	Orthosia rubescens																					1
7828	Pachysphinx modesta																					1
4659	Packardia geninata																					4
8397	Palthis angulalis																					63
9177	Panthea acronyctoides																					1253
7824	Paonias excaecatus																					16
7825	Paonias myops																					1
9490	Papaipema nepheleptena																					1

Cat#	SPECIES NAME	WEEK																SUM				
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9480	Papaipema pterisii																					3
9509	Papaipema unimoda																					5
8727	Parallelia bistriaris																					1
7919	Peridea basitriens																					233
7921	Peridea ferruginea																					337
10915	Peridroma saucia																					1
7320	Perizoma alchemillata																					41
7316	Perizoma basaliata																					62
6755	Pero morrisonaria																					175
6804	Petrophora subaequaria																					3
8338	Phalaenophana pyramusalis																					6
8362	Phalaenostola metonalis																					5
7922	Pheosia rimosa																					16
9546	Phlogophora iris																					261
9547	Phlogophora periculosa																					46
8158	Phragmatobia assimilans																					12
8156	Phragmatobia fuliginosa rubricosa																					4
7687	Phyllodesma americana																					25
6844	Plagodis alcoolaria																					78
6842	Plagodis phlogosaria																					219
6840	Plagodis serinaria																					81
8162	Platarctia parthenos																					145
9976	Platypolia anceps																					8
7132	Pleuroprucha insularia																					1
8950	Plusia putnami																					1
8953	Plusia venusta																					1
10288	Polia detracta																					34
10276	Polia imbrifera																					84
10275	Polia nimbosa																					39
10280	Polia purpurissata																					3
6838	Probole amicaria																					128
6982	Prochoerodes transversata																					18
6598	Protoboarmia porcelaria																					34
11004	Protolampra rufipectus																					5
10563	Protorthodes oviduca																					13
9647	Proxenus miranda																					1
10438	Pseudaleitia unipuncta																					35
6237	Pseudothyatira cymatophoroides																					76
8129	Pyrrharia isabella																					4
9193	Raphaia frater																					4
7293	Rheumaptera hastata																					1
8404	Rivula propinqualis																					2
11164	Schinia florida																					1
8011	Schizura leptinoides																					29
8006	Schizura badia																					1
8005	Schizura ipomoeae																					116
8007	Schizura unicornis																					58
7164	Scopula junctaria																					2
7159	Scopula limboundata																					34
6817	Selenia alciphearia																					17
6818	Selenia kentaria																					5
6326	Semiothisa aemulataria																					3
6349	Semiothisa banksianae																					2
6347	Semiothisa pinistrobata																					4
6343	Semiothisa sexmaculata																					1
6344	Semiothisa signaria dispuncta																					217
6330	Semiothisa ulsterata																					82

WOLFE LAKE - 1994 SPECIES FLIGHT PERIODS, ARRANGED ALPHABETICALLY BY GENUS

Cat#	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6912	<i>Sicya macularia</i>																					23
7822	<i>Smerinthus cerisyi</i>																					9
7821	<i>Smerinthus jamaicensis</i>																					49
10926	<i>Spaelotis clandestina</i>																					5
7312	<i>Spargania magnoliata</i>																					8
7812	<i>Sphinx drupiferarum</i>																					1
7810	<i>Sphinx gordius</i>																					50
8134	<i>Spilosoma congrua</i>																					9
8137	<i>Spilosoma virginica</i>																					17
10300	<i>Spiramater grandis</i>																					62
10301	<i>Spiramater lutra</i>																					193
18	<i>Sthenopis argenteomaculatus</i>																					2
22	<i>Sthenopis auratus</i>																					2
9957	<i>Sunira bicolorago</i>																					5
9989	<i>Sutyna privata</i>																					2
7953	<i>Symmerista leucitys</i>																					1
2554	<i>Synanthedon acerni</i>																					1
8940	<i>Syngrapha abstrusa</i>																					20
8939	<i>Syngrapha alias</i>																					16
8925	<i>Syngrapha altera</i>																					1
8941	<i>Syngrapha cryptica</i>																					1
8926	<i>Syngrapha octoscripta</i>																					1
8942	<i>Syngrapha rectangula</i>																					12
8929	<i>Syngrapha viridisigma</i>																					13
6807	<i>Tacparia detersata</i>																					17
6964	<i>Tetracis cachexiata</i>																					74
6963	<i>Tetracis crocallata</i>																					41
7673	<i>Tolype laricis</i>																					6
4654	<i>Tortricidia flexuosa</i>																					3
4652	<i>Tortricidia testacea</i>																					31
7430	<i>Trichodezia albovittata</i>																					7
10627	<i>Tricholita signata</i>																					4
10304	<i>Trichordestra legitima</i>																					1
7425	<i>Venusia cambrica</i>																					12
7428	<i>Venusia comptaria</i>																					11
9965	<i>Xanthia togata</i>																					1
7370	<i>Xanthorhoe abrasaria congregata</i>																					4
7388	<i>Xanthorhoe ferrugata</i>																					2
7371	<i>Xanthorhoe iduata</i>																					4
7368	<i>Xanthorhoe labradorensis</i>																					2
7390	<i>Xanthorhoe lacustrata</i>																					6
6743	<i>Xanthotype sospeta</i>																					10
6740	<i>Xanthotype urticaria</i>																					15
10942	<i>Xestia c-nigrum adela</i>																					15
10942.1	<i>Xestia dolosa</i>																					1
10943	<i>Xestia normaniana</i>																					73
10947	<i>Xestia oblata</i>																					9
10962	<i>Xestia perquiritata</i>																					78
10944	<i>Xestia smithii</i>																					56
9876	<i>Xylena cineritia</i>																					2
9874	<i>Xylena curvimacula</i>																					16
9875	<i>Xylena thoracica</i>																					1
8694	<i>Zale aeruginosa</i>																					3
8717	<i>Zale horrida</i>																					9
8713	<i>Zale lunifera</i>																					1
8697	<i>Zale minerea</i>																					125
8351	<i>Zanclognatha cruralis</i>																					18

WOLFE LAKE - 1994 **SPECIES FLIGHT PERIODS, ARRANGED ALPHABETICALLY BY GENUS**

Grand Total = 15851

PART III

CAT#	SPECIES NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
	HEPIALIDAE																				
18	<i>Sthenopis argenteomaculatus</i>																				2
22	<i>Sthenopis auratus</i>																				2
31	<i>Korscheltellus gracilis</i>																				63
	SESIIDAE																				
2554	<i>Synanthedon acerni</i>																				1
	LIMACODIDAE																				
4652	<i>Tortricidia testacea</i>																				31
4654	<i>Tortricidia flexuosa</i>																				3
4659	<i>Packardia geminata</i>																				1
	THYATIRIDAE																				
6235	<i>Habrosyne scripta</i>																				289
6237	<i>Pseudothyatira cymatophoroides</i>																				76
	DREPANIDAE																				
6251	<i>Drepana arcuata</i>																				81
6252	<i>Drepana bilineata</i>																				136
6253	<i>Eudeilinia herminiata</i>																				3
	GEOMETRIDAE																				
6273	<i>Itame pustularia</i>																				161
6287	<i>Itame anataria</i>																				7
6303	<i>Itame subcessaria</i>																				1
6304	<i>Itame bitactata</i>																				11
6326	<i>Semiothisa aemulataria</i>																				3
6330	<i>Semiothisa ulsterata</i>																				82
6343	<i>Semiothisa sexmaculata</i>																				1
6344	<i>Semiothisa signaria dispuncta</i>																				217
6347	<i>Semiothisa pinistrobata</i>																				4
6349	<i>Semiothisa banksianae</i>																				2
6428	<i>Orthofidonia tinctaria</i>																				5
6429	<i>Orthofidonia exornata</i>																				6
6430	<i>Orthofidonia flavivenata</i>																				1
6570	<i>Aethalura intertexta</i>																				68
6582	<i>Anacamptodes vellivolata</i>																				1
6588	<i>Iridopsis larvaria</i>																				33
6590	<i>Anavitrinella pampinaria</i>																				1
6597	<i>Ectropis crepuscularia</i>																				43
6598	<i>Protoboarmia porcelaria</i>																				34
6620	<i>Melanolophia canadaria</i>																				49
6621	<i>Melanolophia signataria</i>																				169
6637	<i>Eufidonia convergaria</i>																				1
6640	<i>Biston betularia cognataria</i>																				17
6654	<i>Hypagyrtis unipunctata</i>																				61
6656	<i>Hypagyrtis piniata</i>																				115
6667	<i>Lomographa vestaliata</i>																				4
6668	<i>Lomographa glomeraria</i>																				59
6677	<i>Cabera erythema</i>																				10
6678	<i>Cabera variola</i>																				2
6725	<i>Euchlaena muzaria</i>																				43
6734	<i>Euchlaena marginaria</i>																				2
6740	<i>Xanthotype urticaria</i>																				15
6743	<i>Xanthotype sospeta</i>																				10
6755	<i>Pero morrisonaria</i>																				175
6763	<i>Nacophora querñaria</i>																				2
6796	<i>Campaea perlata</i>																				41
6797	<i>Ennomos magnaria</i>																				56
6798	<i>Ennomos subsignaria</i>																				7
6804	<i>Petrophora subaequaria</i>																				3
6807	<i>Tacparia detersata</i>																				17

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6811	<i>Homochlodes lactispargaria</i>																					2
6812	<i>Homochlodes fritillaria</i>																					18
6815	<i>Gueneria similaria</i>																					11
6817	<i>Selenia alciphearia</i>																					17
6818	<i>Selenia kentaria</i>																					5
6819	<i>Metanema inatomaria</i>																					7
6820	<i>Metanema determinata</i>																					20
6822	<i>Metarranthis duaria</i>																					18
6826	<i>Metarranthis hypocharia</i>																					1
6836	<i>Anagoga occiduaria</i>																					13
6838	<i>Probola amicaria</i>																					128
6840	<i>Plagodis serinaria</i>																					81
6842	<i>Plagodis phlogosaria</i>																					219
6844	<i>Plagodis alcoolaria</i>																					78
6863	<i>Caripeta divisata</i>																					290
6864	<i>Caripeta piniata</i>																					1
6867	<i>Caripeta angustiorata</i>																					1
6885	<i>Besma quercivoria</i>																					47
6888	<i>Lambdina fiscellaria</i>																					301
6898	<i>Cingilia catenaria</i>																					1
6912	<i>Sicya macularia</i>																					23
6963	<i>Tetracis crocallata</i>																					41
6964	<i>Tetracis cachexiata</i>																					74
6965	<i>Eugonobapta nivosaria</i>																					10
6966	<i>Eutrapela clemataria</i>																					13
6982	<i>Prochoerodes transversata</i>																					18
7009	<i>Nematocampa resistaria</i>																					92
7048	<i>Nemoria mimosaria</i>																					14
7132	<i>Pleuroprucha insularia</i>																					1
7139	<i>Cyclophora pendulinaria</i>																					298
7159	<i>Scopula limboundata</i>																					34
7164	<i>Scopula junctaria</i>																					2
7182	<i>Dysstroma citrata</i>																					72
7187	<i>Dysstroma truncata traversata</i>																					92
7188	<i>Dysstroma walkera</i>																					10
7189	<i>Dysstroma hersiliata</i>																					7
7194	<i>Dysstroma brunneata</i>																					6
7206	<i>Eulithis explanata</i>																					61
7208	<i>Eulithis serrataria</i>																					3
7213	<i>Ecliptopera silacea albolineata</i>																					15
7229	<i>Hydriomena perfacta</i>																					2
7235	<i>Hydriomena divisaria</i>																					43
7236	<i>Hydriomena renunciata</i>																					122
7293	<i>Rheumaptera hastata</i>																					1
7307	<i>Mesoleuca ruficiliata</i>																					5
7312	<i>Spargania magnoliata</i>																					8
7316	<i>Perizoma basaliata</i>																					62
7320	<i>Perizoma alchemillata</i>																					41
7329	<i>Anticlea vasilata</i>																					28
7330	<i>Anticlea multiferata</i>																					3
7368	<i>Xanthorhoe labradorensis</i>																					2
7370	<i>Xanthorhoe abrasaria congregata</i>																					4
7371	<i>Xanthorhoe iduata</i>																					2
7388	<i>Xanthorhoe ferrugata</i>																					6
7390	<i>Xanthorhoe lacustrata</i>																					1
7394	<i>Epirrhoe alternata</i>																					2
7414	<i>Orthonama obstipata</i>																					2

CAT#	SPECIES NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
7416	<i>Orthonama centrostrigaria</i>																				1
7419	<i>Hydrelia lucata</i>																				156
7420	<i>Hydrelia condensata</i>																				21
7423	<i>Hydrelia albifera</i>																				2
7425	<i>Venusia cambria</i>																				12
7428	<i>Venusia comptaria</i>																				11
7430	<i>Trichodezia albovittata</i>																				7
7433	<i>Epirrita autumnata</i>																				34
7449	<i>Eupithecia palpata</i>																				117
7459	<i>Eupithecia columbiata</i>																				34
7474	<i>Eupithecia miserulata</i>																				13
7487	<i>Eupithecia subfuscata</i>																				362
7489	<i>Eupithecia lariciata</i>																				14
7492	<i>Eupithecia casloata</i>																				12
7494	<i>Eupithecia sheppardata</i>																				4
7520	<i>Eupithecia satyrata dodata</i>																				23
7526	<i>Eupithecia russeliata</i>																				26
7528	<i>Eupithecia assimilata</i>																				5
7529	<i>Eupithecia absinthiata</i>																				2
7540	<i>Eupithecia perfusca</i>																				38
7543	<i>Eupithecia annulata</i>																				2
7574	<i>Eupithecia albicapitata</i>																				2
7575	<i>Eupithecia mutata</i>																				4
7594	<i>Eupithecia anticaria</i>																				8
7605	<i>Eupithecia ravocostaliata</i>																				1
7625	<i>Chloroclystis rectangulata</i>																				3
7635	<i>Acasis viridata</i>																				1
7637	<i>Cladara limitaria</i>																				148
7639	<i>Cladara atroliturata</i>																				103
7640	<i>Lobophora nivigerata</i>																				4
EPIPLEMIDAE																					105
7650	<i>Callizzia amorata</i>																				
LASIOCAMPIDAE																					
7673	<i>Tolype larinis</i>																				6
7687	<i>Phyllodesma americana</i>																				25
7698	<i>Malacosoma disstria</i>																				328
7701	<i>Malacosoma americanum</i>																				6
SATURNIIDAE																					
7715	<i>Dryocampa rubicunda</i>																				14
7757	<i>Antheraea polyphemus</i>																				2
SPHINGIDAE																					
7787	<i>Ceratomia undulosa</i>																				1
7810	<i>Sphinx gordius</i>																				50
7812	<i>Sphinx drupiferarum</i>																				1
7821	<i>Smerinthus jamaicensis</i>																				49
7822	<i>Smerinthus cerisy</i>																				9
7824	<i>Paonias excaecatus</i>																				1253
7825	<i>Paonias myops</i>																				16
7828	<i>Pachysphinx modesta</i>																				1
7886	<i>Darapsa pholus</i>																				2
NOTODONTIDAE																					
7895	<i>Closteria albosigma</i>																				3
7901	<i>Closteria apicalis</i>																				15
7915	<i>Nadata gibbosa</i>																				394
7919	<i>Peridea basitriens</i>																				233
7921	<i>Peridea ferruginea</i>																				337
7922	<i>Pheosia rimosa</i>																				16

CAT#	SPECIES NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
7926	<i>Notodontia scitipennis</i>																				2
7928	<i>Notodontia simplaria</i>																				1
7931	<i>Glaphisia septentrionis</i>																				10
7933	<i>Glaphisia avimacula</i>																				5
7939	<i>Furcula occidentalis</i>																				2
7941	<i>Furcula modesta</i>																				1
7953	<i>Symmerista leucitys</i>																				1
7958	<i>Dasylophia thyatiroides</i>																				6
7990	<i>Heterocampa umbrata</i>																				2
7994	<i>Heterocampa guttivitta</i>																				19
7995	<i>Heterocampa biundata</i>																				19
7998	<i>Heterocampa manteo</i>																				4
8005	<i>Schizura ipomoeae</i>																				116
8006	<i>Schizura badia</i>																				1
8007	<i>Schizura unicornis</i>																				58
8011	<i>Schizura leptinoides</i>																				29
8012	<i>Oligocentria semirufescens</i>																				9
8017	<i>Oligocentria lignicolor</i>																				5
ARCTIIDAE																					6
8098	<i>Clemensia albata</i>																				5
8111	<i>Haploa lecontei</i>																				8
8114	<i>Holomelina laeta treatii</i>																				2
8123	<i>Holomelina ferruginosa</i>																				4
8129	<i>Pyrrharctia isabella</i>																				9
8134	<i>Spilosoma congrua</i>																				17
8137	<i>Spilosoma virginica</i>																				3
8140	<i>Hyphantria cunea</i>																				4
8156	<i>Phragmatobia fuliginosa rubricosa</i>																				12
8158	<i>Phragmatobia assimilans</i>																				145
8162	<i>Platarcia parthenos</i>																				3
8186	<i>Apantesis williamsii</i>																				2
8197	<i>Apantesis virgo</i>																				1
8203	<i>Halysidota tessellaris</i>																				41
8214	<i>Lophocampa maculata</i>																				1
8267	<i>Cisseps fulvicollis</i>																				
LYMANTRIIDAE																					11
8304	<i>Dasychira plagiata</i>																				7
8316	<i>Orgyia leucostigma plagiata</i>																				2
8319	<i>Leucoma salicis</i>																				
NOCTUIDAE																					49
8322	<i>Idia americalis</i>																				130
8323.1	<i>Idia n.sp.nr. aemula</i>																				1
8326	<i>Idia rotundalis</i>																				6
8338	<i>Phalaenophana pyramusalis</i>																				30
8341	<i>Zanclognatha theralis</i>																				66
8349	<i>Zanclognatha protunnusalis</i>																				18
8351	<i>Zanclognatha cruralis</i>																				1
8352	<i>Zanclognatha jacchasaalis</i>																				12
8356	<i>Chytolita petrealis</i>																				5
8362	<i>Phalaenostola metonalis</i>																				6
8370	<i>Bleptina caradrinalis</i>																				4
8397	<i>Palthis angulalis</i>																				2
8404	<i>Rivula propinqualis</i>																				3
8442	<i>Bomolocha baltimorensis</i>																				3
8443	<i>Bomolocha bijugalis</i>																				7
8444	<i>Bomolocha palparia</i>																				
8455	<i>Lomanaltes eductalis</i>																				17

CAT#	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
8536	<i>Calyptera canadensis</i>																					1
8694	<i>Zale aeruginosa</i>																					3
8697	<i>Zale minerea</i>																					125
8713	<i>Zale lunifera</i>																					1
8717	<i>Zale horrida</i>																					9
8727	<i>Parallelia bistriaris</i>																					1
8738	<i>Caenurgia crassiuscula</i>																					1
8776	<i>Catocala coelebs</i>																					2
8833	<i>Catocala concumbens</i>																					4
8846	<i>Catocala sordida</i>																					3
8857	<i>Catocala ultronia</i>																					5
8867	<i>Catocala blandula</i>																					1
8896	<i>Diachrysia aereoides</i>																					3
8897	<i>Diachrysia balluca</i>																					1
8909	<i>Autographa rubida</i>																					1
8912	<i>Autographa mappa</i>																					3
8923	<i>Autographa ampla</i>																					3
8925	<i>Syngrapha altera</i>																					1
8926	<i>Syngrapha octoscripta</i>																					1
8929	<i>Syngrapha viridisigma</i>																					13
8939	<i>Syngrapha alias</i>																					16
8940	<i>Syngrapha abstrusa</i>																					20
8941	<i>Syngrapha cryptica</i>																					1
8942	<i>Syngrapha rectangula</i>																					12
8950	<i>Plusia putnami</i>																					1
8953	<i>Plusia venusta</i>																					1
8969	<i>Baileya doubledayi</i>																					16
8970	<i>Baileya ophthalmica</i>																					43
9046	<i>Lithacodia bellicula</i>																					1
9047	<i>Lithacodia muscosula</i>																					11
9048	<i>Lithacodia albidula</i>																					38
9050	<i>Lithacodia concinnumacula</i>																					5
9053	<i>Lithacodia carneola</i>																					2
9059	<i>Capis curvata</i>																					1
9065	<i>Leuconycta diphteroides</i>																					7
9066	<i>Leuconycta lepidula</i>																					1
9177	<i>Panthea acronyctoides</i>																					63
9184	<i>Colocasia flavidornis</i>																					30
9189	<i>Charadra deridens</i>																					3
9193	<i>Raphia frater</i>																					4
9200	<i>Acronicta americana</i>																					71
9203	<i>Acronicta dactylina</i>																					74
9206	<i>Acronicta leporina vulpina</i>																					15
9207	<i>Acronicta innotata</i>																					254
9211	<i>Acronicta tritoma</i>																					3
9212	<i>Acronicta grisea</i>																					463
9221	<i>Acronicta funeralis</i>																					3
9226	<i>Acronicta superans</i>																					22
9229	<i>Acronicta hasta</i>																					37
9241	<i>Acronicta fragilis</i>																					523
9249	<i>Acronicta increta</i>																					228
9251	<i>Acronicta retardata</i>																					26
9257	<i>Acronicta impleta</i>																					13
9259	<i>Acronicta noctivaga</i>																					15
9261	<i>Acronicta impressa</i>																					16
9272	<i>Acronicta obliqua</i>																					15
9281	<i>Agriopodes fallax</i>																					3

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9286	<i>Harrisimemna trisignata</i>																					7
9326	<i>Apamea verbascoides</i>																					4
9333	<i>Apamea lignicolora</i>																					3
9341	<i>Apamea vultuosa</i>																					2
9348	<i>Apamea amputatrix</i>																					2
9359	<i>Apamea commoda</i>																					1
9364	<i>Apamea finitima</i>																					2
9367	<i>Agroperina dubitans</i>																					1
9367.1	<i>Agroperina cogitata</i>																					2
9396	<i>Eremobina claudens</i>																					5
9420	<i>Oligia illocata</i>																					24
9427	<i>Meropleon diversicolor</i>																					4
9437	<i>Chortodes inquinata</i>																					3
9454	<i>Amphipoea velata</i>																					2
9480	<i>Papaipema pterisii</i>																					3
9490	<i>Papaipema nepheleptena</i>																					1
9509	<i>Papaipema unimoda</i>																					5
9545	<i>Euplexia benesimilis</i>																					28
9546	<i>Phlogophora iris</i>																					261
9547	<i>Phlogophora periculosa</i>																					46
9556	<i>Chytonix palliatricula</i>																					16
9564	<i>Andropolia contacta</i>																					2
9578.1	<i>Hyppa "xylinoides"</i>																					1
9578.2	<i>Hyppa "ancocisconensis"</i>																					51
9582	<i>Nedra ramosula</i>																					2
9633	<i>Callopistria cordata</i>																					17
9638	<i>Amphipyra pyramidoides</i>																					11
9639	<i>Amphipyra tragopogonis</i>																					2
9647	<i>Proxenus miranda</i>																					1
9653	<i>Caradrina morpheus</i>																					1
9678	<i>Elaphria versicolor</i>																					301
9681	<i>Elaphria festivoides</i>																					101
9874	<i>Xylena curvimacula</i>																					16
9875	<i>Xylena thoracica</i>																					1
9876	<i>Xylena cinerita</i>																					2
9878	<i>Lithomoia germana</i>																					19
9888	<i>Lithophane innominata</i>																					9
9889	<i>Lithophane petulca</i>																					5
9893	<i>Lithophane hemina</i>																					3
9902	<i>Lithophane baileyi</i>																					6
9909	<i>Lithophane tepida</i>																					1
9916	<i>Lithophane unimoda</i>																					1
9917	<i>Lithophane fagina</i>																					5
9922	<i>Lithophane pexata</i>																					19
9928	<i>Lithophane thaxteri</i>																					1
9933	<i>Eupsilia vinulenta</i>																					1
9935	<i>Eupsilia tristigmata</i>																					4
9936	<i>Eupsilia morrisoni</i>																					1
9952	<i>Eucirroedia pampina</i>																					3
9957	<i>Sunira bicolorago</i>																					5
9961	<i>Anathix ralla</i>																					1
9965	<i>Xanthia togata</i>																					1
9967	<i>Hillia iris</i>																					8
9976	<i>Platypolia anceps</i>																					2
9989	<i>Sutyna privata</i>																					4
10005	<i>Feralia jocosa</i>																					160
10008	<i>Feralia comstocki</i>																					

CAT#	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
10011	Brachionycta borealis																					2
10055	Apharetra dentata																					4
10065	Homohadena infixa																					3
10123	Oncocnemis piffardi																					1
10197	Cucullia florea																					2
10199	Cucullia omissa																					1
10275	Polia nimbosa																					39
10276	Polia imbrifera																					84
10280	Polia purpurissata																					3
10288	Polia detracta																					34
10292	Melanchra adjuncta																					55
10293	Melanchra picta																					1
10294	Melanchra pulverulenta																					12
10295	Melanchra assimilis																					9
10298	Lacanobia radix																					5
10300	Spiramater grandis																					62
10301	Spiramater lutra																					193
10303	Lacanobia tacoma																					1
10304	Trichordestra legitima																					1
10370	Lacinipolia lustralis																					3
10372	Lacinipolia anguina																					3
10397	Lacinipolia renigera																					1
10405	Lacinipolia lorea																					13
10406	Lacinipolia olivacea																					15
10431	Faronta diffusa																					1
10436	Aletia oxygala																					1
10438	Pseudaleitia unipuncta																					35
10446	Leucania multilinea																					13
10449	Leucania insueta																					4
10487	Orthosia rubescens																					39
10490	Orthosia revicta																					153
10495	Orthosia hibisci																					2
10501	Crocigrapha normani																					391
10520	Morrisonia evicta																					12
10521.1	Morrisonia latex																					44
10524	Nephelodes minians																					1
10563	Protorthodes oviduca																					13
10587	Orthodes cynica																					329
10589.1	Orthodes goodelli																					2
10627	Tricholita signata																					4
10663	Agrotis ipsilon																					9
10756	Euxoa campestris																					1
10891	Ochropleura plecta																					39
10915	Peridroma saucia																					1
10917	Diarsia rubrifera																					23
10919	Diarsia jucunda																					89
10922	Diarsia freemani																					6
10926	Spaelotis clandestina																					5
10928	Graphiphora augur haruspica																					3
10929	Eurois occulta																					14
10930	Eurois astricta																					87
10942	Xestia c-nigrum adela																					15
10942.1	Xestia dolosa																					1
10943	Xestia normaniana																					73
10944	Xestia smithii																					56
10947	Xestia oblata																					9
10962	Xestia perquiritata																					78

CAT#	SPECIES NAME	WEEK																		SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	
10968	Anomogyna badicollis																				15
10970	Anomogyna youngii																				1
10993	Hemipachnobia subporphyrea																				1
10994	Cerastis tenebrifera																				1
10996	Metalepsis salicarum																				23
10999	Aplectoides condita																				292
11000	Anaplectoides prasina																				62
11001	Anaplectoides pressus																				75
11004	Protolampra rufipectus																				5
11008	Eueretagrotis perattenta																				44
11009	Eueretagrotis attenta																				48
11010	Heptagrotis phyllophora																				53
11012	Cryptocala acadiensis																				20
11029	Abagrotis alternata																				3
11164	Schinia florida																				1

Grand Total = 15851

PART IV

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
7824	<i>Paonias excaecatus</i>																					1253
9241	<i>Acronicta fragilis</i>																					523
9212	<i>Acronicta grisea</i>																					463
7915	<i>Nadata gibbosa</i>																					394
10501	<i>Crocigrapha normani</i>																					391
7487	<i>Eupithecia subfuscata</i>																					362
7921	<i>Peridea ferruginea</i>																					337
10587	<i>Orthodes cynica</i>																					329
7698	<i>Malacosoma disstria</i>																					328
6888	<i>Lambdina fiscellaria</i>																					301
9678	<i>Elaphria versicolor</i>																					301
7139	<i>Cyclophora pendulinaria</i>																					298
10999	<i>Aplectoides condita</i>																					292
6863	<i>Caripeta divisata</i>																					290
6235	<i>Habrosyne scripta</i>																					289
9546	<i>Phlogophora iris</i>																					261
9207	<i>Acronicta innotata</i>																					254
7919	<i>Peridea basitriens</i>																					233
9249	<i>Acronicta increta</i>																					228
6842	<i>Plagodis phlogosaria</i>																					219
6344	<i>Semiothisa signaria dispuncta</i>																					217
10301	<i>Spiramater lutra</i>																					193
6755	<i>Pero Morrisonaria</i>																					175
6621	<i>Melanolophia signataria</i>																					169
6273	<i>Itame pustularia</i>																					161
10008	<i>Feralia comstocki</i>																					160
7419	<i>Hydrelia lucata</i>																					156
10490	<i>Orthosia revicta</i>																					153
7637	<i>Cladara limitaria</i>																					148
8162	<i>Platarcia parthenos</i>																					145
6252	<i>Drepana bilineata</i>																					136
8323.1	<i>Idia n.sp.nr. aemula</i>																					130
6838	<i>Probole amicaria</i>																					128
8697	<i>Zale minerea</i>																					125
7236	<i>Hydromena renunciata</i>																					122
7449	<i>Eupithecia palpata</i>																					117
8005	<i>Schizura ipomoeae</i>																					116
6656	<i>Hypagyrtis piniata</i>																					115
7650	<i>Callizzia amorata</i>																					105
7639	<i>Cladara atroliturata</i>																					103
9681	<i>Elaphria festivoides</i>																					101
7009	<i>Nematocampa resistaria</i>																					92
7187	<i>Dysstroma truncata traversata</i>																					92
10919	<i>Diarsia jucunda</i>																					89
10930	<i>Eurois asticta</i>																					87
10276	<i>Polia imbrifera</i>																					84
6330	<i>Semiothisa ulsterata</i>																					82
6251	<i>Drepana arcuata</i>																					81
6840	<i>Plagodis serinaria</i>																					78
6844	<i>Plagodis alcoolaria</i>																					78
10962	<i>Xestia perquiritata</i>																					76
6237	<i>Pseudohyatra cymatophoroides</i>																					75
11001	<i>Anaplectoides pressus</i>																					74
6964	<i>Tetracis cachexiata</i>																					74
9203	<i>Acronicta dactylina</i>																					73
10943	<i>Xestia normaniiana</i>																					72
7182	<i>Dysstroma citrata</i>																					

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9200	<i>Acronicta americana</i>																					71
6570	<i>Aethalura intertexta</i>																					68
8349	<i>Zanclognatha protumnusalis</i>																					66
31	<i>Korscheltellus gracilis</i>																					63
9177	<i>Panthea acronyctoides</i>																					63
7316	<i>Perizoma basaliata</i>																					62
10300	<i>Spiramater grandis</i>																					62
11000	<i>Anaplectoides prasina</i>																					62
6654	<i>Hypagyrtis unipunctata</i>																					61
7206	<i>Eulithis explanata</i>																					61
6668	<i>Lomographa glomeraria</i>																					59
8007	<i>Schizura unicornis</i>																					58
6797	<i>Ennomos magnaria</i>																					56
10944	<i>Xestia smithii</i>																					56
10292	<i>Melanchra adjuncta</i>																					55
11010	<i>Heptagrotis phyllophora</i>																					53
9578.2	<i>Hyppa "ancocisconensis"</i>																					51
7810	<i>Sphinx gordius</i>																					50
6620	<i>Melanolophia canadaria</i>																					49
7821	<i>Smerinthus jamaicensis</i>																					49
8322	<i>Idia americalis</i>																					49
11009	<i>Eueretagrotis attenta</i>																					48
6885	<i>Besma quercivoria</i>																					47
9547	<i>Phlogophora periculosa</i>																					46
10521.1	<i>Morrisonia latex</i>																					44
11008	<i>Eueretagrotis perattenta</i>																					43
6597	<i>Ectropis crepuscularia</i>																					43
6725	<i>Euchaena muzaria</i>																					43
7235	<i>Hydriomena divisaria</i>																					43
8970	<i>Baileya ophthalmica</i>																					41
6796	<i>Campaea perlata</i>																					41
6963	<i>Tetracis crocallata</i>																					41
7320	<i>Perizoma alchemillata</i>																					41
8214	<i>Lophocampa maculata</i>																					39
10275	<i>Polia nimbosa</i>																					39
10487	<i>Orthosia rubescens</i>																					39
10891	<i>Ochropleura plecta</i>																					38
7540	<i>Eupithecia perfusca</i>																					38
9048	<i>Lithacodia albidula</i>																					37
9229	<i>Acronicta hasta</i>																					35
10438	<i>Pseudaleria unipuncta</i>																					34
6598	<i>Protoboarmia porcelaria</i>																					34
7159	<i>Scopula limboundata</i>																					34
7433	<i>Epirrita autumnata</i>																					34
7459	<i>Eupithecia columbiata</i>																					34
10288	<i>Polia detracta</i>																					33
6588	<i>Iridopsis larvaria</i>																					31
4652	<i>Tortricidia testacea</i>																					30
8341	<i>Zanclognatha theralis</i>																					30
9184	<i>Colocasia flavicornis</i>																					29
8011	<i>Schizura leptinoides</i>																					28
7329	<i>Anticlea vasiliata</i>																					28
9545	<i>Euplexia benesimilis</i>																					26
7526	<i>Eupithecia russeliata</i>																					26
9251	<i>Acronicta retardata</i>																					25
7687	<i>Phyllodesma americana</i>																					24
9420	<i>Oligia illocata</i>																					

CAT#	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
6912	<i>Sicya macularia</i>																					23
7520	<i>Eupithecia satyrata dodata</i>																					23
10817	<i>Diarsia rubifera</i>																					23
10996	<i>Metalepsis salicarum</i>																					23
9226	<i>Acronicta superans</i>																					22
7420	<i>Hydrelia condensata</i>																					21
6820	<i>Metanema determinata</i>																					20
8940	<i>Syngrapha abstrusa</i>																					20
11012	<i>Cryptocala acadiensis</i>																					20
7994	<i>Heterocampa guttivitta</i>																					19
7995	<i>Heterocampa biundata</i>																					19
9878	<i>Lithomoia germana</i>																					19
9922	<i>Lithophane pexata</i>																					19
6812	<i>Homochlodes fritillaria</i>																					18
6822	<i>Metarranthis duaria</i>																					18
6982	<i>Prochoerodes transversata</i>																					18
8351	<i>Zanclognatha cruralis</i>																					18
6640	<i>Biston betularia cognataria</i>																					17
6807	<i>Tacparia detersata</i>																					17
6817	<i>Seletia alciphearia</i>																					17
8137	<i>Spilosoma virginica</i>																					17
8455	<i>Lomanaltes eductalis</i>																					17
9633	<i>Callopistria cordata</i>																					17
7825	<i>Paonias myops</i>																					16
7922	<i>Pheosia rimosa</i>																					16
8939	<i>Syngrapha alias</i>																					16
8969	<i>Baileya doubledayi</i>																					16
9261	<i>Acronicta impressa</i>																					16
9556	<i>Chytornix palliatricula</i>																					16
9874	<i>Xylena curvimacula</i>																					16
6740	<i>Xanthotype urticaria</i>																					15
7213	<i>Ecliptopera silacea albolineata</i>																					15
7901	<i>Closteria apicalis</i>																					15
9206	<i>Acronicta leporina vulpina</i>																					15
9259	<i>Acronicta noctivaga</i>																					15
9272	<i>Acronicta oblinita</i>																					15
10406	<i>Lacinipolia olivacea</i>																					15
10942	<i>Xestia c-nigrum adela</i>																					15
10968	<i>Anomogyna badicollis</i>																					15
7048	<i>Nemoria mimosaria</i>																					14
7489	<i>Eupithecia lariciata</i>																					14
7715	<i>Dryocampa rubicunda</i>																					14
10929	<i>Eurois occulta</i>																					14
6836	<i>Anagasta occiduaria</i>																					13
6966	<i>Eutrapela clemataria</i>																					13
7474	<i>Eupithecia miserulata</i>																					13
8929	<i>Syngrapha viridisigma</i>																					13
9257	<i>Acronicta impleta</i>																					13
10405	<i>Lacinipolia lorea</i>																					13
10446	<i>Leucania multilinea</i>																					13
10563	<i>Protorthodes oviduca</i>																					12
7425	<i>Venusia cambrica</i>																					12
7492	<i>Eupithecia castoata</i>																					12
8158	<i>Phragmatobia assimilans</i>																					12
8356	<i>Chytolita petrealis</i>																					12
8942	<i>Syngrapha rectangula</i>																					12
10294	<i>Melanarcha pulverulenta</i>																					12

WOLFE LAKE - 1994 FLIGHT PERIODS, SPECIES ABUNDANCE FREQUENCY DISTRIBUTION

CAT#	SPECIES NAME	WEEK																	SUM	
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
10520	<i>Morrisonia evicta</i>																			12
6304	<i>Itame bitactata</i>																			11
6815	<i>Gueneria similaria</i>																			11
7428	<i>Venusia comptaria</i>																			11
8304	<i>Dasychira plagiata</i>																			11
9047	<i>Lithacodia muscosula</i>																			11
9638	<i>Amphipyra pyramidoides</i>																			11
6677	<i>Cabera erythemaria</i>																			10
6743	<i>Xanthotype sospeta</i>																			10
6965	<i>Eugonobapta nivosaria</i>																			10
7188	<i>Dysstroma walkerata</i>																			10
7931	<i>Gluphisia septentrionis</i>																			10
7822	<i>Smerinthus cerisyi</i>																			9
8012	<i>Oligocentria semirufescens</i>																			9
8134	<i>Spilosoma congrua</i>																			9
8717	<i>Zale horrida</i>																			9
9888	<i>Lithophane innominata</i>																			9
10295	<i>Melanchra assimilis</i>																			9
10663	<i>Agrotis ipsilon</i>																			9
10947	<i>Xestia obliqua</i>																			9
7312	<i>Spargania magnoliata</i>																			8
7594	<i>Eupithecia anticaria</i>																			8
8114	<i>Holomelina laeta treatii</i>																			8
9976	<i>Platypolia anceps</i>																			8
6287	<i>Itame anataria</i>																			7
6798	<i>Ennomos subsignaria</i>																			7
6819	<i>Metanema inatomaria</i>																			7
7189	<i>Dysstroma hersiliata</i>																			7
7430	<i>Trichodezia albovittata</i>																			7
8316	<i>Orgyia leucostigma plagiata</i>																			7
8444	<i>Bomolocha palparia</i>																			7
9065	<i>Leuconycta diphteroides</i>																			7
9286	<i>Harrisimemna trisignata</i>																			7
6429	<i>Orthofidonia exornata</i>																			6
7194	<i>Dysstroma brunneata</i>																			6
7390	<i>Xanthorhoe lacustrata</i>																			6
7673	<i>Tolype laricis</i>																			6
7701	<i>Malacosoma americanum</i>																			6
7958	<i>Dasylophia thyatiroides</i>																			6
8098	<i>Clemensia albata</i>																			6
8338	<i>Phalaenophana pyramusalis</i>																			6
8370	<i>Bleptina caradrinalis</i>																			6
9902	<i>Lithophane baileyi</i>																			6
10922	<i>Diarsia freemani</i>																			6
6428	<i>Orthofidonia tinctaria</i>																			5
6818	<i>Selenia kentaria</i>																			5
7307	<i>Mesoleuca ruficilliata</i>																			5
7528	<i>Eupithecia assimilata</i>																			5
7933	<i>Gluphisia avimacula</i>																			5
8017	<i>Oligocentria lignicolor</i>																			5
8111	<i>Haploa lecontei</i>																			5
8362	<i>Phalaenostola metonalis</i>																			5
8857	<i>Catocala ultronia</i>																			5
9050	<i>Lithacodia concinnimacula</i>																			5
9396	<i>Eremobina claudens</i>																			5
9509	<i>Papaipema unimoda</i>																			5
9889	<i>Lithophane petulca</i>																			5

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
9917	Lithophane fagina																					5
9957	Sunira bicolorago																					5
10298	Lacanobia radix																					5
10926	Spaelotis clandestina																					5
11004	Protolampra rufipectus																					5
6347	Semiothisa pinistrobata																					4
6667	Lomographa vestaliata																					4
7370	Xanthorhoe abrasaria congregata																					4
7371	Xanthorhoe iduata																					4
7494	Eupithecia sheppardata																					4
7575	Eupithecia mutata																					4
7640	Lobophora nivigerata																					4
7998	Heterocampa manteo																					4
8129	Pyrrharcia isabella																					4
8156	Phragmatobia fuliginosa rubricosa																					4
8397	Palthis angulalis																					4
8833	Catocala concumbens																					4
9193	Raphia frater																					4
9326	Apamea verbascoidea																					4
9427	Meropleon diversicolor																					4
9935	Eupsilia tristigmata																					4
10005	Feralia jocosa																					4
10055	Aphareta dentata																					4
10449	Leucania insueta																					4
10627	Tricholita signata																					3
4654	Tortricidia flexuosa																					3
6253	Eudellinia herminiana																					3
6326	Semiothisa aemulataria																					3
6804	Petrophora subaequaria																					3
7208	Eulithis serrataria																					3
7330	Anticlea multiflerata																					3
7625	Chloroclystis rectangulata																					3
7895	Closteria albosigma																					3
8140	Hyphantria cunea																					3
8186	Apantesis williamsii																					3
8442	Bomolocha baltimorensis																					3
8443	Bomolocha bijugalis																					3
8694	Zale aeruginosa																					3
8846	Catocala sordida																					3
8896	Diachrysia aereoides																					3
8912	Autographa mappa																					3
8923	Autographa ampla																					3
9189	Charadra deridens																					3
9211	Acronicta tritona																					3
9221	Acronicta funeralis																					3
9281	Agriopodes fallax																					3
9333	Apamea lignicolora																					3
9437	Chortodes inquinata																					3
9480	Papaipema pterisii																					3
9893	Lithophane hemina																					3
9952	Eucirroedia pampina																					3
10065	Homohadena infixa																					3
10280	Polia purpurissata																					3
10370	Lacinipolia fustralis																					3
10372	Lacinipolia anguina																					3
10928	Graphiphora augur haruspica																					3
11029	Abagrotis alternata																					3

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
18	<i>Sthenopis argenteomaculatus</i>																					2
22	<i>Sthenopis auratus</i>																					2
6349	<i>Semiothisa banksianae</i>																					2
6678	<i>Cabera variola</i>																					2
6734	<i>Euchlaena marginaria</i>																					2
6763	<i>Nacophora quernaria</i>																					2
6811	<i>Homochlodes lactispargaria</i>																					2
7164	<i>Scopula junctaria</i>																					2
7229	<i>Hydriomena perfracta</i>																					2
7368	<i>Xanthorhoe labradorensis</i>																					2
7388	<i>Xanthorhoe ferrugata</i>																					2
7414	<i>Orthonama obstipata</i>																					2
7423	<i>Hydrelia albifera</i>																					2
7529	<i>Eupithecia absinthiata</i>																					2
7543	<i>Eupithecia annulata</i>																					2
7574	<i>Eupithecia albicapitata</i>																					2
7757	<i>Antheraea polyphemus</i>																					2
7886	<i>Darapsa pholus</i>																					2
7926	<i>Notodonta scitipennis</i>																					2
7939	<i>Furcula occidentalis</i>																					2
7990	<i>Heterocampa umbrata</i>																					2
8123	<i>Holomelina ferruginosa</i>																					2
8197	<i>Apantesis virgo</i>																					2
8319	<i>Leucoma salicis</i>																					2
8404	<i>Rivula propinqualis</i>																					2
8776	<i>Catocala coelebs</i>																					2
9053	<i>Lithacodia carneola</i>																					2
9341	<i>Apamea vultuosa</i>																					2
9348	<i>Apamea amputatrix</i>																					2
9364	<i>Apamea finitima</i>																					2
9367.1	<i>Agroperina cogitata</i>																					2
9454	<i>Amphipoea velata</i>																					2
9564	<i>Andropolia contacta</i>																					2
9582	<i>Nedra ramosula</i>																					2
9639	<i>Amphipyra tragopoginis</i>																					2
9876	<i>Xylena cineritia</i>																					2
9989	<i>Sutyna privata</i>																					2
10011	<i>Brachionycta borealis</i>																					2
10197	<i>Cucullia florea</i>																					2
10495	<i>Orthosia hibisci</i>																					2
10589.1	<i>Orthodes goodelli</i>																					2
2554	<i>Synanthedon acerni</i>																					1
4659	<i>Packardia geminata</i>																					1
6303	<i>Itame subcessaria</i>																					1
6343	<i>Semiothisa sexmaculata</i>																					1
6430	<i>Orthofidonia flavivenata</i>																					1
6582	<i>Anacamptodes vellivolata</i>																					1
6590	<i>Anavitrinella pampinaria</i>																					1
6637	<i>Eufidonia convergaria</i>																					1
6826	<i>Metarranthis hypocharia</i>																					1
6864	<i>Caripeta piniata</i>																					1
6867	<i>Caripeta angustiorata</i>																					1
6898	<i>Cingilia catenaria</i>																					1
7132	<i>Pleuroprucha insularia</i>																					1
7293	<i>Rheumaptera hastata</i>																					1
7394	<i>Epirrhoe alternata</i>																					1
7416	<i>Orthonama centrostrigaria</i>																					1

CAT#	SPECIES NAME	WEEK																		SUM		
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
7605	Eupithecia ravocostaliata																					1
7635	Acasis viridata																					1
7787	Ceratomia undulosa																					1
7812	Sphinx drupiferarum																					1
7828	Pachysphinx modesta																					1
7928	Notodontida similaria																					1
7941	Furcula modesta																					1
7953	Symmerista leucitys																					1
8006	Schizura badia																					1
8203	Halysidota tessellaris																					1
8267	Cisseps fulvicollis																					1
8326	Idia rotundalis																					1
8352	Zanclognatha jacchatalis																					1
8536	Calyptera canadensis																					1
8713	Zale lunifera																					1
8727	Parallelia bistriaris																					1
8738	Caenurgina crassiuscula																					1
8867	Catocala blandula																					1
8897	Diachrysia balluca																					1
8909	Autographa rubida																					1
8925	Syngrapha altera																					1
8926	Syngrapha octoscripta																					1
8941	Syngrapha cryptica																					1
8950	Plusia putnami																					1
8953	Plusia venusta																					1
9046	Lithacodia bellicula																					1
9059	Capis curvata																					1
9066	Leuconycta lepidula																					1
9359	Apamea commoda																					1
9367	Agroperina dubitans																					1
9490	Papaipema nepheleptena																					1
9578.1	Hyppa "xylinoides"																					1
9647	Proxenus miranda																					1
9653	Caradrina morpheus																					1
9875	Xylena thoracica																					1
9909	Lithophane tepida																					1
9916	Lithophane unimoda																					1
9928	Lithophane thaxteri																					1
9933	Eupsilia vinulenta																					1
9936	Eupsilia morrisoni																					1
9961	Anathix ralla																					1
9965	Xanthia togata																					1
9967	Hillia iris																					1
10123	Oncocnemis piffardi																					1
10199	Cucullia omissa																					1
10293	Melanchra picta																					1
10303	Lacanobia tacoma																					1
10304	Trichordestra legitima																					1
10397	Lacinipolia renigera																					1
10431	Faronta diffusa																					1
10436	Aletia oxgala																					1
10524	Nephelodes minians																					1
10756	Euxoa campestris																					1
10915	Peridroma saucia																					1
10942.1	Xestia dolosa																					1
10970	Anomogyna youngii																					1
10993	Hemipachnobia subporphyrea																					1

WOLFE LAKE - 1994

FLIGHT PERIODS, SPECIES ABUNDANCE FREQUENCY DISTRIBUTION

CAT#	SPECIES NAME	WEEK																	SUM			
		19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
10994	Cerastis tenebrifera																					1
11164	Schinia florida																					1
Grand Total =																				15861		

PART V

CHART 4

WOLFE LAKE - 1994 CUMULATIVE NUMBER OF SPECIES VS. DAY OF YEAR

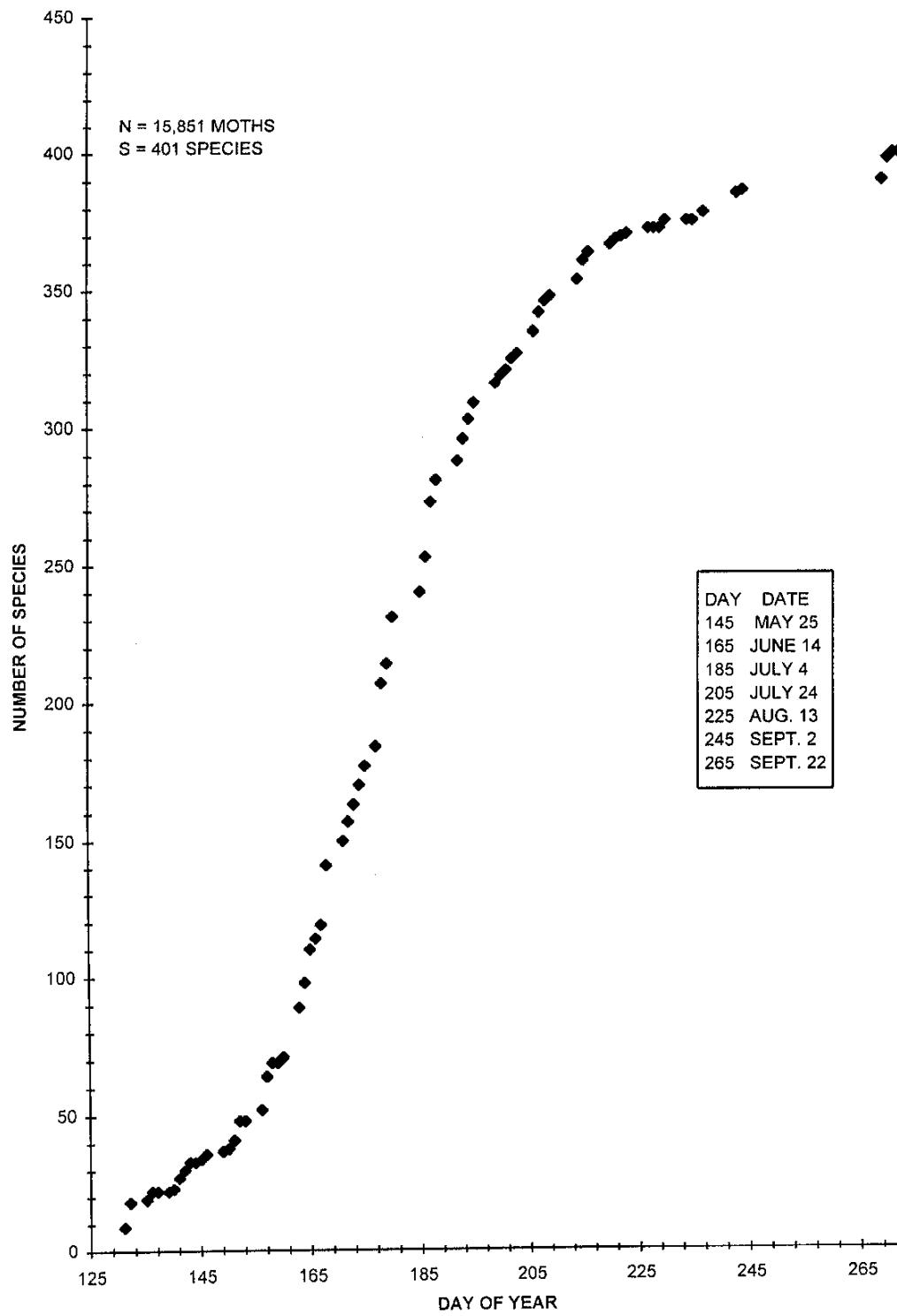
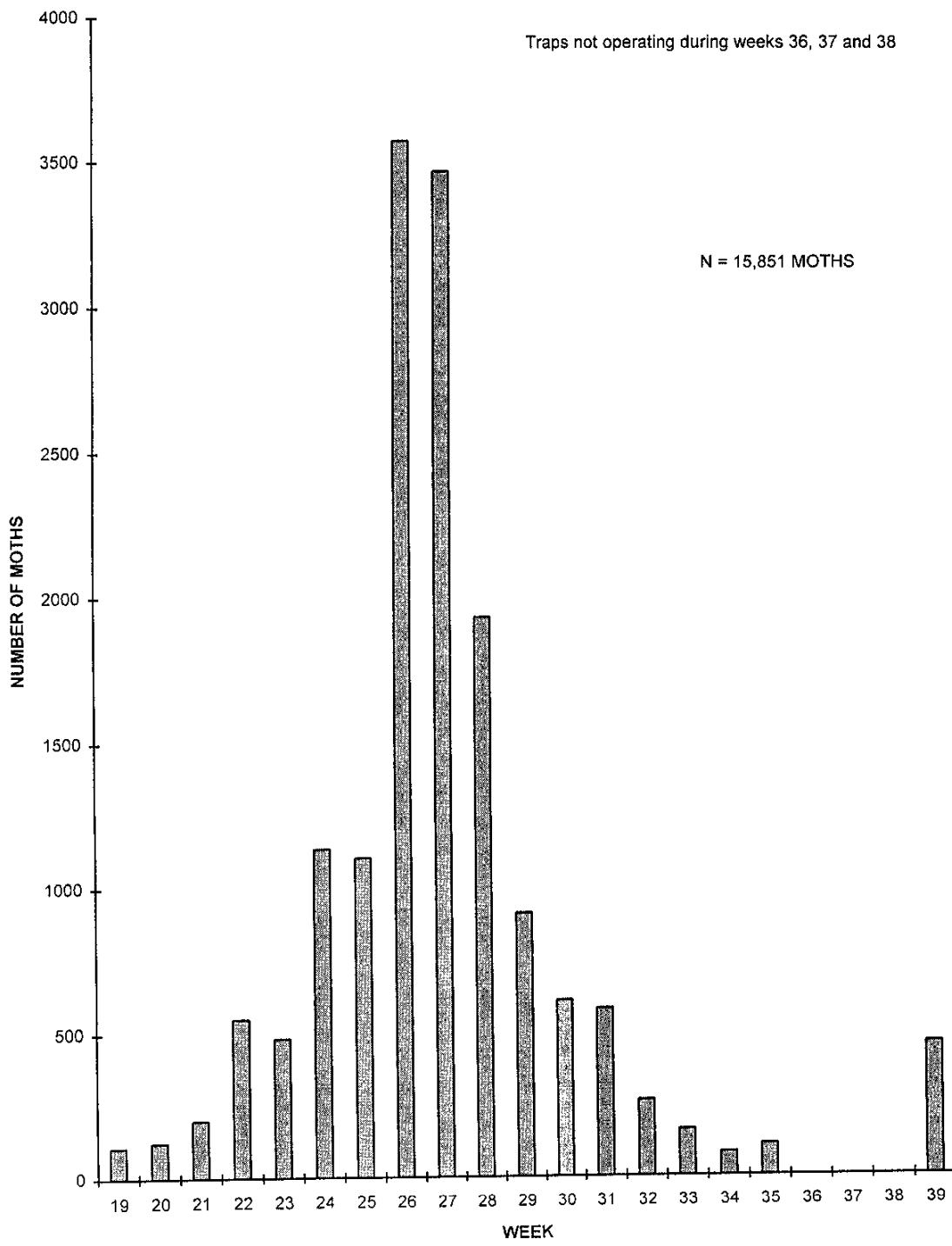


CHART 1

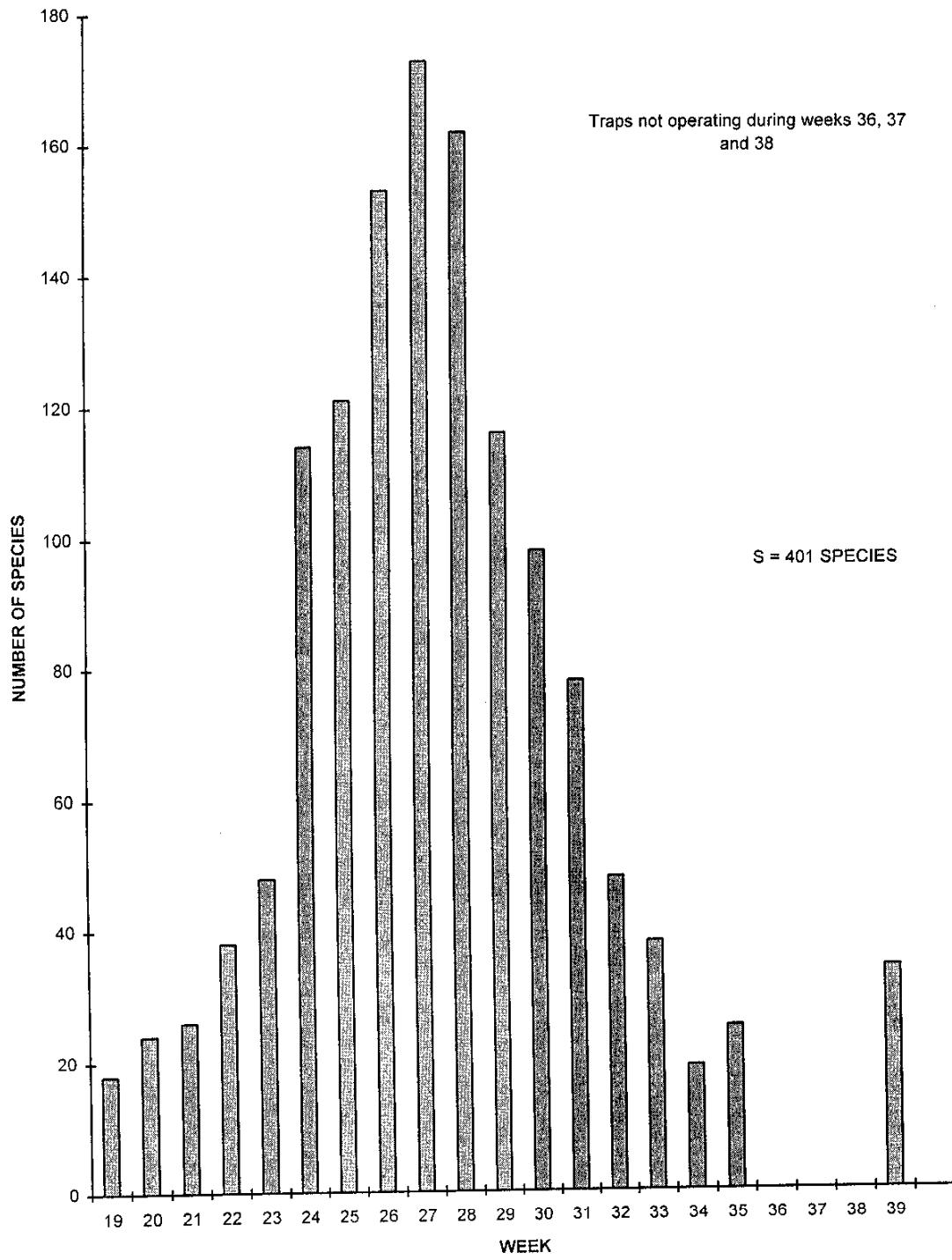
WOLFE LAKE - 1994 NUMBER OF INDIVIDUAL MOTHS PER WEEK



PART V

CHART 2

WOLFE LAKE - 1994 NUMBER OF SPECIES PER WEEK



PART V

CHART 3

WOLFE LAKE - 1994 NEW SPECIES, BY WEEK

