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Catoctin Mountain

Park Project

An Annotated Species List
of Lepidopteran Insects of
Catoctin Mountain Park

Completed by

The Department of Science
Mount Saint Mary's College
Emmitsburg, Maryland

In Cooperation with
Resource Management Specialists

National Park Service

Catoctin Mountain Park

Thurmont, Maryland

1985

Date

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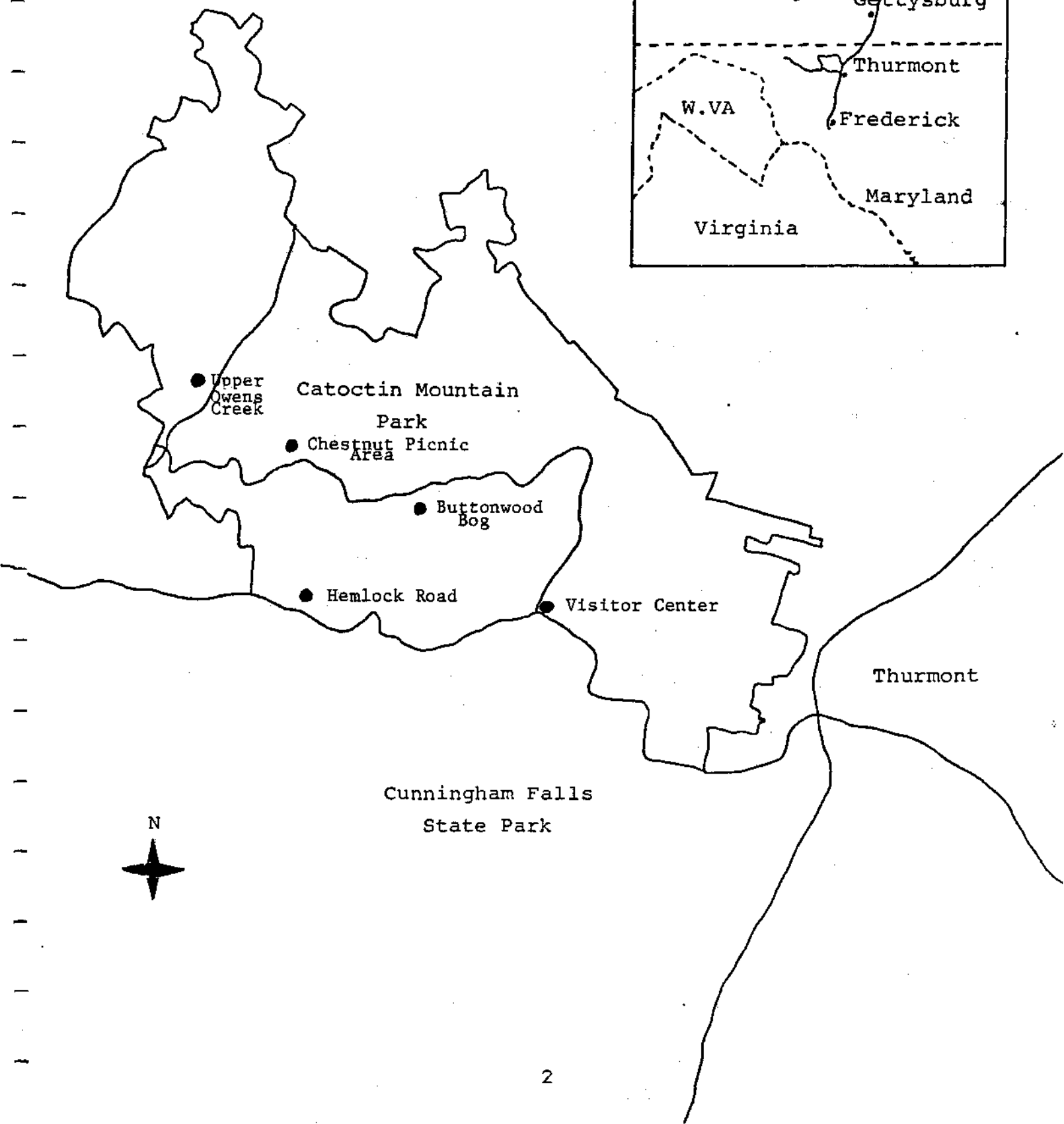
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INTRODUCTION

With the advance of gypsy moth infestations into Maryland, local, state and federal agencies have initiated various forms of biological and chemical control. Catoctin Mountain Park in Thurmont, Maryland has employed the use of Bt (Bacillus thuringiensis) as part of its integrated pest management control. It is documented that Bt also affects other organisms besides the targeted gypsy moth larvae. Probably most susceptible are the other phytophagous lepidopteran larvae. It is the goal of this project (RFP-3-4-152, Project 3) to determine what species of lepidoptera inhabit the park region. This base-line data will aid resource management specialists in their estimation of the effects of pest management on these non-target species.

METHODS AND MATERIALS

Black-light trapping was completed at five sites in Catoctin Mountain Park. Figure 1 illustrates the five sites that were designated as trapping areas: the Visitors Center, Chestnut Picnic Area, Buttonwood Bog, Upper Owens Creek and Hemlock Road. Two of the sites were located within gypsy moth spray areas (Visitors Center and Buttonwood Bog (Chestnut Picnic Area)) and two sites were located in non-spray areas (Upper Owens Creek and Hemlock Road). The four sites (the Chestnut Picnic Area site replaced the Buttonwood Bog site in June, 1985) were trapped once



per week (dusk to dawn = one trap night) from April 29, 1985 to October 17, 1985.

A Robinson-type black-light trap was used to capture crepuscular and nocturnal moths. Standard ethyl acetate killing jars dispatched those specimens which were collected and they were then classified according to abundance. At each site, if a specimen was counted more than 10 times at a trapping session it was classified as Abundant, if 5 - 10 specimens of a species were evident it was classified as Common, less than 5 specimens Uncommon and certain species were designated as Special. A list of special consideration species was compiled along with illustrations of each species and is included in this report. All of the specimens that were collected were frozen and then prepared (wings spread, specimen pinned and labeled) at a later date. Park staff were presented with the prepared specimens mounted in Cornell display cases. The primary objective of this report was to identify each specimen and categorize it as to distribution, relative abundance, flight time and other field notes in an annotated checklist.

RESULTS

I. CHECKLIST OF LEPIDOPTERAN

SPECIES OF

CATOCTIN MOUNTAIN PARK

Family - Geometridae

Campaea perlata - Pale Beauty

Distribution: Hemlock Road Visitors Center

Upper Owens Creek

Buttonwood Bog

Chestnut Picnic Area

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alders, birches, firs, elms,
maples, oaks, poplars and willows.

Family - Geometridae

Biston betularia - Pepper and Salt Geometer

Distribution: Upper Owens Creek

Hemlock Road

Buttonwood Bog

Visitors Center

Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alders, birches, blueberries,
elms, hackberries, larch, wild cherry, walnut, willows.

Family - Geometridae

Besma quercivoraria - Oak Besma

Distribution: Visitors Center
 Round Meadow

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Elms, oak, poplar,
willow and white spruce.

Two broods may be evident.

Family - Geometridae

Besma endropiaria - Straw Besma

Distribution: Visitors Center

Buttonwood Bog

Hemlock Road

Upper Owens Creek

Chestnut Picnic Area

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food source - sugar maple.

Family - Geometridae

Anacamptodes vellivolata - Large Purplish Gray

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Food Sources - firs, larch, pines and spruces.

Coniferous habitat preferred.

Family - Geometridae

Eulithis diversilineata - Lesser Grapevine Looper Moth

Distribution: Upper Owens Creek Hemlock Road Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - grapes and Va. Creeper.

Family - Geometridae

Protoarmoia porcelaria - Porcelain Gray

Distribution: Upper Owens Creek Hemlock Road

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - birches, firs, hemlock,
larches, oaks, pines, poplar, spruce, white cedar.

Family - Geometridae

Trichodezia albobittata - White-Striped Black

Distribution: Hemlock Road Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Impatiens

Two broods may be evident.

A common day-flier.

Family - Geometridae

Tetracis crocallata - Yellow Slant-Line

Distribution: Lantz Marsh Hemlock Road

Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alder, chestnuts, sumac,
willows.

Two broods may be evident.

Family - Geometridae

Plagodis keutzingi - Purple Plagodis

Distribution: Upper Owens Creek Hemlock Road

Relative Abundance: Uncommon/Rare

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - Ash.

Family - Geometridae

Scopula limboundata - Large Lace-Border

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - July 24, 1985

Field Notations:

Primary Food Sources - apple, straw, blueberries,
clovers, dandelions, wild cherry.

Resembles bird-dropping

Family - Geometridae

Probole alienaria - Alien Probole

Distribution: Buttonwood Bog
 Upper Owens Creek
 Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Many/most woody plants.

Family - Geometridae

Tetracis cachexiata - White Slant-Line

Distribution: Visitors Center
 Hemlock Road
 Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Ash, birch, cherry, elm, maples,
oak, pine, sweetfern, willow.

Family - Geometridae

Plagodis serinaria - Lemon Plagadis

Distribution: Visitors Center Upper Owens Creek
 Hemlock Road Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - Aspen, basswood, birch, black cherry, linden, maples, oak.

Family - Geometridae

Eutrapela clemataria - Curve-Toothed Geometer

Distribution: Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Ash, aspen, basswood, birch,
elm, fir, maples, poplar, willows.

Family - Geometridae

Dysstroma hersiliata - Orange-Barred Carpet

Distribution: Upper Owens Creek

Buttonwood Bog

Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Currants

Family - Geometridae

Ectropis crepuscularia - The Small Engrailed

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 7, 1985

Field Notations:

Primary Food Sources - Alders, apple, birch, elm,
hemlock, maples, oaks, poplars, willows.

Family - Geometridae

Ennomos subsignaria - Elm Spanworm Moth

Distribution: Upper Owens Creek

Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Apple, birch, elm,
maples, oaks.

Family - Geometridae

Epimecis hortaria - Tulip-Tree Beauty

Distribution: Hemlock Road

Upper Owens Creek

Chestnut Picnic Area

Visitors Center

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Pawpaw, poplar, sassafras,
Tulip-tree.

Family - Geometridae

Euchlaena tigrinaria - Mottled Euchlaena

Distribution:

Buttonwood Bog

Upper Owens Creek

Visitors Center

Chestnut Picnic Area

Relative Abundance:

Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Oak, quaking aspen and
birch.

Family - Geometridae

Eufidonia notataria - Powder Moth

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - May 23, 1985

Field Notations:

Primary Food Sources - Firs, hemlock, larch,
spruce, pine.

Family - Sphingidae

Ceratomia undulosa - Waved Sphinx

Distribution: Visitors Center
 Upper Owens Creek
 Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash, hawthorn, lilac, oaks.

Two broods may be evident.

Family - Sphingidae

Paonias excaecatus - Blinded Sphinx

Distribution: Chestnut Picnic Area

Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Basswood, birch, elm,
oaks, poplar, wild cherry.

Two-three broods may be evident.

Family -Geometridae

Hypagyrtis unipunctata - One-Spotted Variant

Distribution: Upper Owens Creek
Chestnut Picnic Area
Visitors Center
I. Smith Hemlock Road

Relative Abundance: common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alders, birch, fir,
hickories, oaks, pines, willows.

Family - Geometridae

Itame pustularia - Lesser Maple Spanworm Moth

Distribution: Hemlock Road Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary food sources - maples

Family - Geometridae

Lambdina fiscellaria - Hemlock Looper Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - May 23, 1985

Field Notations:

Primary Food Sources - Firs, hemlocks, oaks
and spruces.

Family - Sphingidae

Paonias Myops - Small-Eyed Sphinx

Distribution: Visitors Center
 Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Birch, hawthorn, poplar,
wild cherry, willow.

Family - Geometridae

Lomographa vestaliata - White Spring Moth

Distribution: Chestnut Picnic Area

Upper Owens Creek

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Apple, hawthorn, hornbeam,
maple, cherry and snowberries.

Often a daytime flier.

Family - Geometridae

Lytrosis unitaria - Common Lytrosis

Distribution: Upper Owens Creek
 Visitors Center
 Chestnut Picnic Area

 Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT		—————				

Field Notations:

Primary Food Sources - Hawthorn, pin oak,
and sugar maple.

Family - Geometridae

Melanolophia signataria - Signate Melanolophia

Distribution: Visitors Center
 Chestnut Picnic Area
 Buttonwood Bog

Upper Owens Creek

Hemlock Road

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alders, Amer. elm, birches,
fir, larch, maples, oaks, poplars and spruce.

Family - Geometridae

Metarranthis hypochraria - Common Metarranthis

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 7, 1985

Field Notations:

Primary Food Sources - Apple, blueberry,
choke cherry, sassafrass, wild cherry.

Family - Geometridae

Nacophora quernaria - Oak Beauty

Distribution: Visitors Center

Hemlock Road

Buttonwood Bog

Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Balsam, basswood, hawthorn,
quaking aspen, wild cherry, willow, white birch,
white elm.

Family - Geometridae

Nemoria lixaria - Red-Bordered Emerald

Distribution: Visitors Center Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Red Oak

Family - Geometridae

Pero honestaria - Honest Pero

Distribution: Visitors Center

Hemlock Road

Upper Owens Creek

Chestnut Picnic Area

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Black Locust, larch,
wild cherry.

Family - Geometridae

Plagodis alcoolaria - Hollow-Spotted Plagodis

Distribution: Buttonwood Bog
Chestnut Picnic Area
Upper Owens Creek

Visitors Center

Hemlock Road

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - Basswood, beeches,
birches, chestnut, maples, oaks.

Family - Geometridae

Plagodis fervidaria - Fervid Plagodis

Distribution: Visitors Center

Hemlock Road

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Ash, birch, maples,
oaks, sour cherry, spruce.

Two Broods may be evident.

Family - Geometridae

Caripeta divisata - Gray Spruce Looper Moth

Distribution: Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 24, 1985

Field Notations:

Primary Food Sources - Conifers, such as balsam fir,
hemlock, spruce, white pine.

Family - Geometridae

Eusarca confusaria - Confused Eusarca

Distribution: Vistors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - May 31, 1985

Field Notations:

Primary Food Sources - Asters, clover, dandelion,
goldenrod.

Family - Geometridae

Caripeta aretaria - Southern Pine Looper Moth

Distribution: Hemlock Road

Relative Abundance: Uncommon/Rare

Seasonal Occurrence: One specimen - June 27, 1985

Field Notations:

Primary Food Sources - Red Pine (?)

Family - Geometridae

Xanthotype sospeta - Crocus Geometer

Distribution: Lantz Marsh

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 14, 1983

Field Notations:

Primary Food Sources - Basswood, dogwoods, elm,
hickory, red maple, strawberry.

Family - Geometridae

Iridopsis larvaria - Bent-Line Gray

Distribution: Visitors Center
 Hemlock Road
 Buttonwood Bog
 Chestnut Picnic Area
 Upper Owens Creek

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alders, birches, black
cherry, maple, poplars, willows.

Family - Geometridae

Eugonobapta nivosaria - Snowy Geometer

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 15, 1983

Field Notation: ----

Family - Geometridae

Antepione thisoaria - Variable Antepione

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 8, 1983

Field Notations:

Primary Food Sources - Apple, maple, persimmon,
sumac.

Family - Geometridae

Heliomata cycladata - Common Spring Moth

Distribution: Visitors Center

Buttonwood Bog

Hemlock Road

Upper Owens Creek

Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Black locust and honey locust.

A day flier but comes to lights.

Family - Geometridae

Lambdina pellucidaria - Yellow-Headed Looper Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - May 4, 1985

Field Notations:

Primary Food Sources - Oaks and Pines.

Family - Geometridae

Probole nyssaria - Dogwood Probole

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - June 7, 1985

Field Notations:

Primary Food Source - Dogwood

Two broods may be evident.

Family - Geometridae

Sicya macularia - Sharp-Lined Yellow

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 19, 1985

Field Notations:

Primary Food Sources - Alder, ashes, birch, poplars, willow.

Family - Geometridae

Probole amicaria - Friendly Probole

Distribution: Hemlock Road

Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - sourwood.

Two broods may be evident.

Family - Geometridae

Hypagyrtis esther - Esther Moth

Distribution: Upper Owens Creek
Hemlock Road
Chestnut Picnic Area
Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

SEASONAL OCCURRENCE:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - Pines

Family - Geometridae

Hydria undulata - Scallop Shell

Distribution: Upper Owens Creek
Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Azalea, willow.

Family - Geometridae

Sabulodes sulphurata -

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 1, 1985

Field Notations:

Family - Geometridae

Prochoerodes transversata - Large Maple Spanworm Moth

Distribution: Chestnut Picnic Area

Upper Owens Creek

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - apple, blueberry, cherries, currant,
geranium, grasses, maple, oak, walnut.

Family - Noctuidae

Acronicta haesitata - Hesitant Dagger Moth

Distribution: Visitors Center

Buttonwood Bog

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ?

Family Noctuidae

Acronicta interrupta - Interrupted Dagger Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 7, 1985

Field Notations:

Primary Food Sources - Apple, birch, elm,
hawthorn, oak and wild cherry.

Two broods may be evident.

Family - Noctuidae

Acronicta grisea - Gray Dagger Moth

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - May 10, 1985

Field Notations:

Primary Food Sources - Alder, apple, birch
elm, poplar, willows.

Family - Noctuidae

Polia latex - Fluid Arches

Distribution: Visitors Center

Hemlock Road

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Beech, maple, white elm.

Family - Noctuidae

Allotria elonympha - False Underwing

Distribution: Visitors Center
 Buttonwood Bog
 Hemlock Road
 Chestnut Picnic Area

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Black gum, sour-gum, hickory, walnuts.

Family - Noctuidae

Panopoda rufimargo - Red-Lined Panopoda

Distribution: Visitors Center Upper Owens Creek
 Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Beeches and oaks.

Family - Noctuidae

Panopoda carneicosta - Brown Panopoda

Distribution: Visitors Center
 Hemlock Road
 Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Basswood, hickories, oaks
and willows.

Family - Noctuidae

Euparthenos nubilis - Locust Underwing

Distribution: Visitors Center
 Buttonwood Bog
 Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Locusts

Two broods may be evident.

Family - Noctuidae

Polygrammate hebraeicum - The Hebrew

Distribution: Visitors Center Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Black gum

Family - Noctuidae

Chytonix palliatricula - Cloaked Marvel

Distribution: Visitors Center Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - various grasses

Family - Noctuidae

Zanclognatha ochreipennis - Wavy-Lined Zanclognatha

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT				—		

Field Noations:

Primary Food Sources - probably dead leaves

Two broods may be evident.

Family - Noctuidae

Zale unilineata - One-Lined Zale

Distribution: Visitors Center Buttonwood Bog
 Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Black Locust

Family - Noctuidae

Catocala palaeogama - Oldwife Underwing

Distribution: Chestnut Picnic Area Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Hickory and walnut.

Family - Noctuidae

Catocala ultronia - Ultronia Underwing

Distribution: Upper Owens Creek
Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT			—			

Field Notations:

Primary Food Sources - roses, apple, cherry.

Family - Noctuidae

Cerma Cerintha - Tufted Bird-Dropping Moth

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 1, 1985

Field Notations:

Primary Food Sources - Apple, hawthorn, peach,
plum, roses, wild cherry, other rose type plants.

Family - Noctuidae

Apamea indocilis - Ignorant Apamea

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 1, 1985

Field Notations:

Primary Food Sources - grasses and sedges.

Family - Noctuidae

Eudryas grata - Beautiful Wood Nymph

Distribution: I. Smith
Chestnut Picnic Area
Upper Owens Creek
Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - buttonbush, graps, Va. Creeper

Family - Noctuidae

Datana perspicua - Spotted Datana

Distribution: I. Smith

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 26, 1983

Field Notations:

Primary Food Sources - Sumacs.

Family - Noctuidae

Zale lunata - Lunate Zale

Distribution: Visitors Center
 Hemlock Road
 Buttonwood Bog
 Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Maples, plum, willows.

Family - Noctuidae

Lacinipolia implicata - Implicit Arches

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - September 6, 1985

Field Notations:

Primary Food Sources - wide variety, but especially dandelion

Two broods may be evident.

Family - Noctuidae

Amphipyra pyramidoides - Copper Underwing

Distribution: Upper Owens Creek

Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT				—————		

Field Notations:

Primary Food Sources - apple, grape, hawthorn, oaks,
poplar, raspberry, redbud, rhododendrons, walnuts.

Family - Noctuidae

Zale undularis - Black Zale

Distribution: Buttonwood Bog

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - May 31, 1985

Field Notations:

Primary Food Sources - Black Locust and Honey Locust

Family - Noctuidae

Catocala agrippina - Agrippina Underwing

Distribution: Chestnut Picnic Area Upper Owens Creek

Relative Abundance: Uncommon/Rare

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Pecan Trees (?)

Family - Noctuidae

Catocala habilis - Habilis Underwing

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 24, 1985

Field Notations:

Primary Food Sources - hickories and walnuts.

Family - Noctuidae

Chytolita morbidalis - Morbid Owlet

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 24, 1985

Field Notations:

Primary Food Sources - Dead leaves and dandelion,
grasses, hazelnut.

Family - Noctuidae

Callopistria mollissima - Pink-Shaded Fern Moth

Distribution: Hemlock Road
Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - various ferns.

Family - Noctuidae

Anorthodes tarda - The Slowpoke

Distribution: Visitors Center

Buttonwood Bog

Hemlock Road

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - oak.

Two broods may be evident.

Family - Noctuidae

Bomolocha baltimoralis - Baltimore Bomolocha

Distribution: Upper Owens Creek

Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - maple.

Family - Noctuidae

Acronicta spinigera - Nondescript Dagger Moth

Distribution: Visitors Center

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Apple, birch, cherry, elm, linden.

Two broods may be evident.

Family - Noctuidae

Acronicta albarufa - Dagger Moth

Distribution: Visitors Center

Buttonwood Bog

Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations: ----

Family - Epiplemidæ

Calledapteryx dryopterata - Brown Scoopwing

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 24, 1985

Field Notations:

Primary Food Sources - Sm. blackhaw, wild raisin

Family - Arctiidae

Haploa lecontei - LeConte's Haploa

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Food Sources - Apple, blackberry, peach,
spearmint.

Family - Arctiidae

Cisseps fulvicollis - Yellow-Collared Scape Moth

Distribution: Lantz Marsh

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - September 3, 1983

Field Notations:

Primary Food Sources - grasses, lichens, spike-rushes.

Family - Arctiidae

Apantesis vittata - Banded Tiger Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 8, 1983

Field Notations:

Primary Food Sources - Dandelions and other low plants.

Family - Arctiidae

Halysidota tessellaris - Banded Tussock Moth

Distribution: Visitors Center
 Upper Owens Creek
 Chestnut Picnic Area
 Hemlock Road

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alder, ash, birch, elms,
hazelnut, hickories, oaks, tulip trees, walnut,
willow.

Family - Arctiidae

Grammia anna - Anna Tiger Moth

Distribution: Buttonwood Bog
 Visitors Center
 Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - clover, plantain.

Family - Arctiidae

Cycnia tenera - Delicate Cycnia

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Feed Sources - Hemp, milkwood

Day time flier to food plants.

Family - Arctiidae

Ecpantheria scribonia - Giant Leopard Moth

Distribution: Upper Owens Creek
Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - cabbage, cherry, dandelion,
maple, willow, violets.

Family - Arctiidae

Lophocampa caryae - Hickory Tussock Moth

Distribution: Visitors Center
 Chestnut Picnic Area
 Round Meadow
 Greentop
 Hemlock Road
 Upper Owens Creek

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash, elm, hickory, maple, oak.

Family - Arctiidae

Euchaetes egle - Milkweed Tussock Moth

Distribution: Upper Owens Creek

Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - milkweed

Two broods may be evident.

Moths can be found on food plants during the day.

Family - Arctiidae

Estigmene acrea - Salt Marsh Moth

Distribution: Visitors Center

I. Smith

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - apple, cabbage, clover, corn,
cotton, peas, potato.

Two broods may be evident.

Family - Arctiidae

Hyphantria textor - Fall Webworm

Distribution: Upper Owens Creek
Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT		—				

Field Notations: ----

Family - Arctiidae

Spilosoma virginica - Yellow Bear Tiger Moth

Distribution: Upper Owens Creek

Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - birch, cabbage, maple,
cherry, walnuts, willow.

Two broods may be evident.

Family - Arctiidae

Spilosoma Latipennis - Pink-Legged Tiger Moth

Distribution: Buttonwood Bog

Hemlock Road

Upper Owens Creek

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash, dandelion, plantains,
impatience, ...

Family - Arctiidae

Spilosoma congrua - Agreeable Tiger Moth

Distribution:

Buttonwood Bog

Upper Owens Creek

Hemlock Road

Visitors Center

Chestnut Picnic Area

Relative Abundance:

Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - dandelions, pigweed, herbacious plants

Family - Arctiidae

Pyrrharctia isabella - Isabella Tiger Moth

Distribution: Upper Owens Creek
Visitors Center
Chestnut Picnic Area
Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - aster, birch, clover, corn,
elm, maple.

Two broods may be evident.

Family - Arctiidae

Holomelina opella - Tawny Holomelina

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Food Sources - dandelion and other low plants.

Family - Arctiidae

Hypoprepia fucosa - Painted Lichen Moth

Distribution: Visitors Center
 Hemlock Road
 Chestnut Picnic Area
 Upper Owens Creek

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT			—			

Field Notations:

Primary Food Sources - various lichens

Family - Arctiidae

Haploa confusa - Confused Haploa

Distribution: Upper Owens Creek

Hemlock Road Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Hound's-tongue

Family - Arctiidae

Hyphantria cunea - Fall Webworm Moth

Distribution: Visitors Center
 Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: Common

Seasonal Occurrence

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash, hickory, maple,
 oak, walnut, apple.

Pest Species

Two broods may be evident.

Family - Thyatiridae

Pseudothyatira cymatophoroides - Tufted Thyatirid

Distribution: I. Smith

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 25, 1983

Field Notations:

Primary Food Sources - Alders, birches, maples, oaks,
poplars, rose, willows.

Family - Lasiocampidae

Malacosoma disstria - Forest Tent Caterpillar Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 13, 1985

Field Notations:

Primary Food Sources - many woody plants, but
especially aspens and maples.

Family - Lasiocampidae

Malacosoma americanum - Eastern Tent Caterpillar Moth

Distribution: Visitors Center
 Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - many woody plants,
but especially apples, cherry, rose.

Serious pest.

Family - Hepialidae

Sthenopsis argenteomaculatus - Silver-Spotted Ghost Moth

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 7, 1985

Field Notations:

One of the largest micros.

Larva bores into alder roots that are
partially submerged in water.

Swarms fly during mating season.

Fly at dusk and are not attracted to lights.

Family - Apatelodidae

Apatelodes torrefacta - Spotted Apatelodes

Distribution: Red Cedar

Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash, maple, oak, wild cherry.

Two broods may be evident.

Family - Apatelodidae

Olceclostera angelica - The Angel

Distribution: Hemlock Road
Upper Owens Creek
Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash and lilac.

Family - Zygaenidae

Pyromorpha dimidiata - Orange-Patched Smoky Moth

Distribution: Visitors Center

Buttonwood Bog

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT		—				

Field Notations:

Feed on the underside of fallen oak leaves.

Family - Geometridae

Sabulodes sulphurata -

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 1, 1985

Field Notations -

Family - Limacodidae

Apoda y-inversum - Slug Caterpillar Moth

Distribution: Visitors Center

Relative abundance: Uncommon

Seasonal Occurrence: One specimen - June 13, 1985

Field Notations:

Primary Food Sources - Beeches, hickories,
ironwood and oaks.

Family - Limacodidae

Apoda biguttata - Slug Caterpillar Moth

Distribution: Visitors Center

Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT		—				

Field Notations:

Primary Food Sources - beech, hickories and oaks.

Family - Limacodidae

Euclea delphinii - Spiny Oak - Slug Moth

Distribution: Visitors Center

Buttonwood Bog

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - apple, beech, chestnut,
linden, maples, oaks, wild cherry, sycamore,
willow.

Family -Limacodidae

Lithacodes fasciola - Slug Caterpillar Moths

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Food Sources - apple, beech, birch,
elms, hickories, linden, oaks, willows.

Family - Limacodidae

Prolimacodes badia - Skiff Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Birches, blueberries,
chestnut, hornbeams, oaks, poplars, wild
cherry, willows.

Family - Pyralidae

Hypsopygia costalis - Clover Hayworm Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Feeds on stored hay.

Family - Pyralidae

Desmia Funeralis - Grape Leafroller Moth

Distribution: Visitors Center

Chestnut Picnic Area

Hemlock Road

I. Smith Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - evening primrose, rosebud,
wild and domestic grapes.

Diurnal and nocturnal activity pattern.

Family - Pyralidae

Palpita Magniferalis - Pyralid Moth

Distribution: Buttonwood Bog Upper Owens Creek
 Chestnut Picnic Area Hemlock Road

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notation:

Primary Food Source - ash.

Family - Pyralidae

Pantographa limata - Basswood Leafroller Moth

Distribution: Chestnut Picnic Area

Hemlock Road Visitors Center

Upper Owens Creek

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - basswood, oaks, elm.

Family - Mimallonidae

Cicinnus melsheimeri - Melsheimer's Sack-Bearer

Distribution: Visitors Center
 Hemlock Road Buttonwood Bog

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - oak, scrub oak.

Very common in sandy, oak-barren habitats.

Family - Mimallonidae

Lacosoma chiridota - Scalloped Sack-Bearer

Distribution: Visitors Center
 Hemlock Road
 Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - oaks.

Interesting - the males of the species rarely
come to lights.

Family - Lymantriidae

Dasychira tephra - Tephra Tussock Moth

Distribution: Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - June 13, 1985

Field Notations:

Primary Food Sources - laurel, water and white oaks.

Two broods may be evident.

Family - Lymantriidae

Dasychria dorsipennata - Sharp-lined Tussock Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Food Sources - willows, beach, elms,
hazelnut, juneberry, oaks.

Family - Lymantriidae

Lymantria dispar - Gypsy Moth

Distribution: Chestnut Picnic Area
Upper Owens Creek

Hemlock Road
Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Source - oaks and just about everything else.

Fortunately, one brood.

Family - Lymantriidae

Dasychira obliquata - Streaked Tussock Moth

Distribution: Buttonwood Bog

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 7, 1985

Field Notations:

Primary Food Sources - Beech, birch, black cherry,
elm, hickory, oaks.

Family - Saturniidae

Dryocampa rubicunda - Rosy Maple Moth

Distribution: Visitors Center
 Hemlock Road
 Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT		—————				

Field Notations:

Primary Food Sources - Maples and Oaks.

Two broods may be evident.

Family - Saturniidae

Anisota virginiensis - Pink-Striped Oakworm Moth

Distribution: Visitors Center
 Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - oaks, especially red oak.

Two broods may be evident.

Family - Saturniidae

Anisota stigma - Spiny Oakworm Moth

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT			—			

Field Notations:

Primary Food Sources - oaks and hazelnut trees.

Larva feed in groups.

Only Anisota common at lights.

Family - Saturniidae

Callosamia promethea - Promethea Moth

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - apple, ash, basswood, birch,
cherry, lilac, maple, sassafrass, spicebush,
sweetgum, tulip-tree.

Two broods may be evident.

Males do not come to lights.

Family - Saturniidae

Callosamia angulifera - Tulip-Tree Silkworm Moth

Distribution: Hemlock Road
Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - tulip-tree, black cherry, sassafrass.

Two broods may be evident.

Family - Saturniidae

Antheraea polyphemus - Polyphemus Moth

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - ash, birch, grapes, hickories,
maple, oaks, pines, rose.

Two broods may be evident.

Family - Saturniidae

Actias luna - Luna Moth

Distribution: Buttonwood Bog
Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - alder, beeches, cherries,
hazelnut, hickory, sweetgum, willow.

Three broods may be evident.

Cocoon concealed in leaf litter.

Family - Cossidae

Prionoxystus robiniae - Carpenterworm Moth

Distribution: Red Cedar

Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - ash, chestnut, locusts, oaks,
poplars, willows.

Life cycle takes 3 - 4 weeks.

Family - Drepanidae

Drepana arcuata - Arched Hooktip

Distribution: Greentop
Visitors Center
Upper Owens Creek
Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Alders and birches.

Family - Sphingidae

Manduca jasmineearum - Ash Sphinx

Distribution: Visitors Center
 Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Ash.

Family - Sphingidae

Darapsa myron - Virginia Creeper Sphinx

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - July 2, 1985

Field Notations:

Primary Food Sources - viburnums, Virginia creeper

Two broods may be evident.

Family - Sphingidae

Eumorpha pandorus - Pandorus Sphinx

Distribution: Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - July 14, 1985

Field Notations:

Primary Food Sources - grape and Va. Creeper.

Family - Sphingidae

Ceratomia amyntor - Elm Sphinx

Distribution: I. Smith Upper Owens Creek
Visitors Center

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Basswood, birch, cherry, elm.

Family - Sphingidae

Deidamia inscripta - Lettered Sphinx

Distribution: Greentop

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - June 6, 1983

Field Notations:

Primary Food Sources - wild grapes, Virginia Creeper.

Family - Notodontidae

Clostera inclusa - Angle-Lined Prominent

Distribution: Chestnut Picnic Area

Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Aspen, poplars and willows.

Family - Notodontidae

Ellida caniplaga - Linden Prominent

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - July 2, 1985

Field Notations:

Primary Food Sources - linden

Family - Notodontidae

Oligocentria lignicolon - White-Streaked Prominent

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 24, 1985

Field Notations:

Primary Food Sources - Beech, birches and oak.

Family - Notodontidae

Datana angusii - Angus's Datana

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 1, 1985

Field Notations:

Primary Food Sources - birches, butternut, hickories,
linden, walnuts.

Family - Notodontidae

Peridea angulosa - Angulose Prominent

Distribution: Visitors Center
 Upper Owens Creek

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Plants - oaks

Family - Notodontidae

Peridea basitriens - Oval-Based Prominent

Distribution: Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 1, 1985

Field Notations:

Primary Food Sources - (?)

Family - Notodontidae

Schizura impomoeae - Morning-Glory Prominent

Distribution: Visitors center Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Beech, birch, elms, maple,
morning-glory, oak, roses.

Family - Notodontidae

Lochmaeus bilineata - Double-Lined Prominent

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Basswood, beech, birch,
elm, linden, oaks.

Family - Notodontidae

Hyperaeschra georgica - Georgian Prominent

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence :

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT	—————					

Field Notations:

Primary Food Sources - oaks.

Family - Notodontidae

Heterocampa biundata - Wavy Lined Prominent

Distribution: Visitors Center
 Hemlock Road
 Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - beech, birch, cherry, hickories,
maple, willow.

Family - Notodontidae

Macrurocampa mathesia - Mottled Prominent

Distribution: Visitors Center

Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Beech, chestnut, maples, oaks, poplars.

Family - Notodontidae

Heterocampa guttivitta - Maple Prominent

Distribution: Hemlock Road
Buttonwood Bog
Visitors Center
Upper Owens Creek

Relative Abundance: Abundant

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - apple, beech, birch, maple, sumac.

Family - Notodontidae

Lochmaeus manteo - Variable Oakleaf Moth

Distribution: Chestnut Picnic Area
Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Beech, birch, elm, hawthorn, linden,
oak, walnut.

Family - Notodontidae

Nadata gibbosa - White-Dotted Prominent

Distribution: Hemlock Road Upper Owens Creek
Buttonwood Bog Chestnut Picnic Area
Visitors Center

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Birch, cherry, maple,
oak, plum.

Two broods may be evident.

Family - Notodontidae

Symmerista albifrons - White-Headed Prominent

Distribution: Hemlock Road
Upper Owens Creek
Chestnut Picnic Area
Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - oaks

Family - Noctuidae

Renia discoloralis - Discolored Renia

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 24, 1985

Field Notations:

Primary Food Sources - Dead leaves of trees.

Family - Noctuidae

Ulolonche culea - Sheathed Quaker

Distribution: Buttonwood Bog

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - May 16, 1985

Field Notations:

Primary Food Source - Red Oak.

Family - Noctuidae

Homorthodes furfurata - Scurfy Quaker

Distribution: Upper Owens Creek

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - September 6, 1985

Field Notations:

Primary Food Sources - maple, wild cherry.

Two broods.

Family - Noctuidae

Spaelotis clandestina - Clandestine Dart

Distribution: Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - September 16, 1985

Field Notations:

Primary Food Sources - apple, blueberries, maples, pines,
strawberries.

Two broods.

Family - Noctuidae

Acronicta hamamelis - Dagger Moth

Distribution: Visitors Center
 Hemlock Road
 Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

SEASONAL OCCURRENCE:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT		—————				

Field Notations: —————

Family - Noctuidae

Catocala ilia - Iliia Underwing

Distribution: Chestnut Picnic Area
Upper Owens Creek
Hemlock Road
Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

SEASONAL OCCURRENCE:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT				—		

Field Notations:

Primary Food Sources - oaks - black, burr, red and white.

Family - Noctuidae

Celiptera frustulum - Black Bit Moth

Distribution: Upper Owens Creek

Relative Abundnace: Uncommon

Seasonal Occurrence: One specimen - May 31, 1985

Field Notations:

Primary Food Sources - Black Locust.

Two broods may be evident.

Family - Noctuidae

Pseudaletia unipuncta - Armyworm Moth

Distribution: Lantz Marsh

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - September 3, 1983

Field Notations:

Primary Food Sources - alfalfa, corn, grasses, vegetables,
young fruit trees.

Family - Noctuidae

Scoliopteryx libatrix - The Herald

Distribution: Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - August 8, 1983

Field Notations:

Primary Food Sources - poplars and willows.

Family Noctuidae

Pseudoplusia includens - Soybean Looper Moth

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One specimen - September 6, 1985

Field Notations:

Primary Food Sources - Beans, coleus, goldenrod,
lettuce, soybeans.

Family - Noctuidae

Xestia dolosa - Greater Black-Letter Dart

Distribution: Chestnut Picnic Area
Visitors Center
I. Smith
Round Meadow
Hemlock Road

Relative Abundance: Common

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - apple, barley, clover, maple.

Two broods may be evident.

Family - Noctuidae

Parallelia bistriaris - Maple Looper Moth

Distribution: Visitors Center
 Hemlock Road
 Buttonwood Bog
 Upper Owens Creek
 Chestnut Picnic Area

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - yellow birch, maples, black walnut.

Family - Noctuidae

Elaphria festivoides - Festive Midget

Distribution: Buttonwood Bog
 Hemlock Road
 Visitors Center

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - Maple.

Family - Noctuidae

Zale horrida - Horrid Zale

Distribution: Hemlock Road
Buttonwood Bog

Relative Abundance: Uncommon

Seasonal Occurrence:

STAGE	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.
ADULT						

Field Notations:

Primary Food Sources - beech.

Family - Geometridae

Euchlaena obtusaria - Obtuse Euchlaena

Distribution: Hemlock Road

Relative Abundance: Uncommon

Seasonal Occurrence: One Specimen - August 24, 1985

Field Notations:

Primary Food Sources - Rose and Impatience.

OTHER MICROLEPIDOPTERA

Family - Gracillariidae

Neurobathra strigifinitella

Leucospilapteryx venustella

Caloptilia packardella

Caloptilia serotinella

Paronix sp. - possibly obliterella

Cameraria quercivorella

Cameraria bethunella

Chrysaster ostensachenella

Phyllonorycter robiniella

Phyllonorycter basistrigella

Family - Tineidae

Monopis dorsistrigella

Family - Lyonetiidae

Bucculatrix coronatella

Bucculatrix pomifoliella

Family - Cosmopterigidae

Stilbosis venifica

Perimede erransella

Stilbosis tesquella

Family - Coleophoridae

Coleophora lentella

Family - Oecophoridae

Decantha boreasella

Menesta melanella

Family - Gelechiidae

Anacampsis conclusella

Chionodes mediofuscella

Dichomeris puctidiscella

Taygete attributella

Family - Momphidae

Mompha luciferella

NOTE: Dr. Thomas Wallenmeir discovered these species at Catoctin Mountain Park (Owens Creek Picnic Area) in June of 1983.
See Appendix.

II. Species of Special Concern

Certain species of lepidoptera have become vulnerable to various extermination processes. Since little is known about many of the lepidoperans the task of categorizing a species - extinct, extirpated, endangered, or threatened is difficult. In this project, we have identified those species, in this region to which special attention has been paid. Illustrations of these different Species of Special Concern are included with this report. Generally, each of the species listed has strict habitat requirements that have been eliminated or are at best spotty in our region and Catoctin Mountain Park.

SPECIES OF SPECIAL CONCERN INCLUDE:

Microlepidoptera of the American Chestnut

Family - Nepticulidae

Ectodemia castaneae

Ectodemia phleophaga

Notations: Larvae mine in the leaves or bark of trees, sometimes producing tiny galls. Adults can run and fly fast and erratically - these habits and their small size (0.3-0.7 cm wingspan) explain why so few have been collected. Last collected - decades ago.

Family - Tischeriidae

Tischeria perplexa

Notations: Larvae mines that are characteristically shaped like trumpets or blotches at the leaf margins. Very small moths (0.6-1.1 cm wingspan). Last collected - decades ago.

Family - Coleophoridae

Coleophora lencochrysella - Chestnut Case - Bearer Moth

Notations: Small to very small moths (0.5-2.6 cm wingspan). They are known as casebearers because they live in portable cases made from plant material (frass), held together with silk spun from the larvae. Cases of the larvae sometimes help to identify species. Last collected - decades ago.

Family - Sesiidae

Synanthedon castaneae - American Chestnut Clearwing Moth

Notations: Medium to small moths (1.4-4.6 cm wingspan) that are easily recognized by the transparent, clear areas on their wings which give them a wasp-like appearance. Sesiid moths are day fliers that do not come to lights. Very fast and difficult to catch. Last collected - decades ago.

OTHER SPECIES OF SPECIAL CONCERN

Family - Saturniidae

Hemileuca maia - Buck Moth

Notations: A rapid day-flier; best sought between noon and 2 p.m. on sunny days in autumn. Primary food source - oaks, especially scruboaks. Rare, because disappearing habitat.

Family - Saturniidae

Citheronia sepulcralis - Pine-Devil Moth

Notations: A large moth with dusky gray wings, that have pink on the hind wings. Found in pine barren habitats, preferring the pitch, red and Virginia Pines.

Family - Noctuidae

Merolonche dolli - Doll's Merolonche

Notations: A medium to large moth with white forewings that have black shadings; the hind wings are white. Found in areas with acidic soil, most often in pitch pine - oak scrub type of habitat.

Family - Noctuidae

Acronicta albarufa - White and Orange Dagger

Notations: Preferred habitat is sand barrens with stands of bear oak. Adult moths fly from May to July.

Family - Noctuidae

Chaetoglaea tremula - Barren's Chaetoglaea

Notations: Found in pitch pine - bear Oak barrens; the moths have a single flight in early autumn. Barrens habitat is generally maintained by fire.

Family - Noctuidae

Xylotype capax - Barrens Xylotype

Notations: Found in acidic habitats where pitch pine is present; barrens, bogs, and acidic swamplands are optimal habitat. The adult moths fly in early autumn. Periodic fires or other management procedure may be necessary to provide optimal habitat.

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APPENDIX I

RAW DATA - LEPIDOPTERAN

CHECKLIST

1985 Collection

1

Family Hepialidae: Ghost Moths

Sthenopsis argenteomaculatus: Silver-spotted Ghost moth

6-7-85 Hemlock 1

Family Cossidae: Carpenterworm Moths

Prionoxystus robiniae: Carpenterworm Moth.....

5-31-85 VC 1 R

Family Zygaenidae: Smoky Moths

Pyromorpha dimitata: Orange-patched smoky moth...

6-7-85 VC 1

Buttonwood 1

Family Limacodidae: Slug Caterpillar Moths

Apoda biguttata: Slug Caterpillar.....

6-13-85 VC 1

6-13-85 Chestnut 1

7-2-85 VC 1

7-2-85 Chestnut 1

Apoda y-inversum.....

6-13-85 VC 1

Euclea delphinii: Spiny Oak-slug Moth.....

5-31-85 Buttonwood 1

6-7-85 VC 3

Buttonwood 1

6-13-85 VC 2

7-2-85 VC 1

Lithacodes fasciola.....

7-2-85 VC 1

Prolimacodes badia: Skiff Moth.....

7-20-85 VC 1

7-24-85 VC 2

8-9-85 VC 1

Family Pyralidae

Desmia funeralis: Grape Leafroller.....

6-13-85 VC 1

6-19-85 Chestnut 1

6-27-85 Hemlock 1

6-27-85 Owens Cr 1

7-2-85 Chestnut 1

7-2-85 Hemlock 1

8-24-85 Chestnut 1

Hypsopygia costalis: Clover Hayworm Moth.....

6-7-85 VC 1

6-13-85 VC 1

Palpita magniferalis.....

6-7-85 Buttonwood 1

6-7-85 Hemlock 1

6-13-85 Owens Cr 1

6-27-85 Owens Cr 1

8-24-85 Chestnut 1

Pantographa limata: Basswood Leafroller Moth.....

7-2-85 Chestnut 1

7-20-85 Hemlock 1

Owens Cr 2

8-1-85 VC 1

8-1-85 Owens Cr 1

8-1-85 Chestnut 1

8-9-85 VC 1

8-24-85 Chestnut 1

Family Drepanidae: Hooktips

Drepana arcuata: Arched Hooktip.....

8-1-85 Owens Cr 1

8-24-85 Chestnut 1

Family Epiplemae: Sootyings

2

Calidapteryx dryopterata: Brown Sootywing.....8-24-85 Hemlock 1

Family Mimallonidae (formerly Laosomidae) Sack-bearers

Cicinnus melsheimeri: Melsheimer's Sack-bearer.. 5-31-85 Buttonwood 1 R
5-31-85 VC 1 R
6-7-85 VC 2
6-7-85 Hemlock 1
6-13-85 VC 1

Laosoma chiridota: Scalloped Sack-bearer..... 5-31-85 Hemlock 1 R
5-31-85 VC 4 R
6-7-85 VC 1
6-19-85 Hemlock 1
6-19-85 Chestnut 1

Family Apatelodidae

Apatelodes torrefacta: Spotted Apatelodes..... 5-31-85 Owens Cr 1 R
7-14-85 Owens Cr 1

Oleoclostera angelica: The Angel..... 6-7-85 Hemlock 1
6-19-85 Owens 1
7-2-85 Hemlock 1
7-2-85 Chestnut 1
7-2-85 Owens Cr 2
7-14-85 Owens Cr 3 R
7-20-85 Owens Cr 1 R

Family Saturniidae: Giant Silkworm and Royal Moths

Actias luna: Luna Moth.....5-10-85 Buttonwood 1
7-14-85 Owens 1
7-20-85 Owens Cr 1

Anisota stigma: Spiny Oakworm Moth..... 7-14-85 VC 2

Anisota virginensis: Pink-striped Oakworm Moth.... 7-2-85 VC 1
7-14-85 Chestnut 1
7-14-85 VC 2
7-20-85 VC 1

Antheraea Polyphemus: Polyphemus Moth..... 7-20-85 Hemlock Rd 2

Callosamia angulifera: Tulip-tree Silkworm Moth.... 6-19-85 Hemlock 1
7-2-85 Owens 1
7-14-85 Owens 1
7-14-85 Hemlock 1

Callosamia promethea: Prometheus Moth.....7-14-85 Chestnut 1

Dryocampa rubicunda: Rosy Maple Moth..... 6-7-85 VC 1
6-27-85 Hemlock 1
7-2-85 VC 1
7-2-85 Hemlock 1
7-14-85 Owens 1
7-14-85 VC 1
7-20-85 VC 1
7-20-85 Owens Cr. 2
7-24-85 Hemlock 2
7-24-85 VC 1
8-1-85 VC 1
8-1-85 Chestnut 1

Family Lasiocampidae: Tent Caterpillar Moths

<u>Malacosoma americanum</u> : Eastern Tent Caterpillar...	6-19-85	Owens Cr	1	
	6-27-85	Owens Cr	1	
	7-2-85	VC	1	

<u>Malacosoma disstria</u> : Forest Tent Caterpillar.....	6-13-85	VC	1	
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Family Sphingidae: Sphinx and Hawk Moths

<u>Ceratomia amynthor</u> : Elm Sphinx.....	6-27-85	Owens Cr	1	
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<u>Ceratomia undulosa</u> : Waved Sphinx.....	5-16-85	VC	1	R
	6-13-85	VC	1	
	6-13-85	Owens	1	
	6-19-85	Owens	2	
	6-27-85	Owens Cr	1	
	7-14-85	Owens Cr	2	
	7-2-85	Hemlock	1	

<u>Darapsa myron</u> : Virginia Creeper Sphinx.....	7-2-85	VC	1	
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<u>Eumorpha pandoris</u> : Pandora Sphinx.....	7-14-85	Owens Cr	1	
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<u>Manduca jasmineum</u> : Ash Sphinx.....	5-16-85	VC	1	R
	6-27-85	Owens Cr	1	

<u>Paonias exocastus</u> : Blinded Sphinx.....	7-2-85	Chestnut	1	
	8-1-85	Owens	1	

<u>Paonias myops</u> : Small-eyed Sphinx.....	5-23-85	VC	1	
	6-13-85	Owens	1	

Family Notodontidae: Prominents

<u>Clostera inclusa</u> : Angle-lined Prominent.....	6-17-85	Chestnut	1	R
	7-2-85	Hemlock	1	R

<u>Datana angustii</u> : Angus's Datana.....	8-1-85	VC	1	R
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<u>Ellida caniplaga</u> : Linden Prominent.....	7-2-85	Chestnut	1	
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<u>Heterocampa biundata</u> : Wavy-lined Prominent.....	5-16-85	VC	1	R
	5-31-85	Hemlock	1	R
	5-31-85	Owens Cr	1	R
	7-14-85	Chestnut	1	R
	8-1-85	Chestnut	1	R
	8-1-85	Owens Cr	1	R
	8-8-85	Owens Cr	1	R

<u>Heterocampa guttivitta</u> : Maple Prominent.....	5-31-85	Hemlock	1	R
	5-31-85	Buttonwood	1	R
	6-7-85	VC	2	A
	6-13-85	Owens Cr	1	R
	6-19-85	Chestnut	2	R
	6-19-85	Owens Cr	1	R
	6-19-85	VC	1	R
	6-27-85	Hemlock	3	R
	6-27-85	Owens Cr	1	R
	7-2-85	Chestnut	2	R
	7-2-85	Hemlock	2	R
	7-2-85	VC	1	R
	7-20-85	Owens Cr	2	R

1985 Collection

4

	8-1-85	VC	1	R
	8-8-85	Chestnut	1	R
<u>Hyperaeschra georgica</u> : Georgian Prominent.....	5-23-85	VC	1	
	7-14-85	VC	1	R
<u>Lochmaeus bilineata</u> : Double-lined Prominent.....	7-2-85	Chestnut	1	
	8-1-85	Chestnut	2	R
<u>Lochmaeus manteo</u> : Variable Oakleaf Moth.....	6-19-85	Chestnut	1	R
	6-27-85	VC	1	R
	8-8-85	Chestnut	1	R
	8-24-85	VC	1	R
<u>Macrurocampa marthesia</u> : Mottled Prominent.....	6-27-85	VC	1	
	7-2-85	Hemlock	1	R
	7-24-85	VC	1	R
<u>Nadata gibbosa</u> : White-dotted Prominent.....	5-10-85	Hemlock	1	
	5-10-85	Buttonwood	1	
	5-16-85	VC	1	
	5-31-85	Buttonwood	1	
	6-7-85	VC	2	
	6-7-85	Buttonwood	1	
	6-13-85	Owens Cr	1	
	6-13-85	VC	4	
	6-19-85	Chestnut	1	
	6-27-85	VC	2	
	7-2-85	Hemlock	2	
	7-2-85	VC	1	
	7-20-85	VC	1	
	7-20-85	Owens Cr	1	
	7-24-85	VC	1	
	8-1-85	VC	1	
<u>Oligocentria lignicolor</u> : White-streaked Prominent...	8-24-85	VC	1	R
<u>Peridea angulosa</u> : Angulose Prominent.....	7-2-85	VC	1	
	6-24-85	VC	2	
	8-1-85	VC	1	
	8-1-85	Owens Cr	2	
	8-24-85	Owens Cr	1	
	8-30-85	VC	1	R
	9-6-85	VC	1	
<u>Peridea basitriens</u> : Oval-based Prominent.....	8-1-85	Owens Cr	1	
<u>Schizura ipomoeae</u> : Morning-glory Prominent.....	7-14-85	Chestnut	1	
	8-1-85	VC	1	
<u>Symmerista albifrons</u> : White-headed Prominent.....	6-7-85	Hemlock	1	
	6-13-85	Owens Cr	1	
	6-13-85	Chestnut	1	R
	6-19-85	Chestnut	2	R
	6-27-85	Hemlock	3	
	7-2-85	Chestnut	1	
	7-2-85	Hemlock	1	
	7-2-85	Owens Cr	1	
	7-2-85	VC	1	

<u>Cyonia tenora</u> : Delicate Cyonia.....	7-2-85	Chestnut	1
<u>Epantheria soribonia</u> : Giant Leopard Moth.....	6-13-85	Owens Cr	1
	6-19-85	Chestnut	2
<u>Euchaetes egle</u> : Milkweed Tussock Moth.....	6-27-85	Hemlock	1
	7-14-85	Owens Cr	1
<u>Grammia anna</u> : Anna Tiger Moth.....	6-7-85	Buttonwood	2
	"	VC	1
	5-16-85	Hemlock	1
	5-31-85	Buttonwood	1
	5-31-85	Hemlock	1
	6-13-85	VC	1
	7-2-85	VC	1
<u>Halysidota tessellaris</u> : Banded Tussock Moth.....	6-13-85	VC	1
	6-13-85	Owens	1
	6-19-85	Chestnut	1
	6-19-85	Owens	1
	6-27-85	Chestnut	1
	6-27-85	VC	1
	7-2-85	VC	1
	7-2-85	Hemlock	1
	7-2-85	Owens Cr	1
	7-2-85	Chestnut	1
	7-14-85	Owens Cr	1
	7-14-85	VC	1
	7-20-85	VC	1
	7-20-85	Owens Cr	1
	7-20-85	Hemlock Rd	1
	7-24-85	VC	1
	8-1-85	Owens Cr	1
	8-1-85	VC	1
	8-1-85	Chestnut	1
	8-8-85	Chestnut	1
	8-10-85	Owens	1
<u>Haploa lecontei</u> : Leconte's Haploa.....	7-2-85	Chestnut	1
<u>Haploa confusa</u> : Confused Haploa.....	6-13-85	Owens Cr	1
	6-19-85	Chestnut	1
	6-27-85	Hemlock	2
	7-2-85	Hemlock	1
<u>Holomelina opella</u> : Tawny Holomelina.....	7-2-85	VC	1
<u>Hyphantria cunea</u> : Fall webworm.....	5-31-85	Owens Cr	1
	6-7-85	VC	1
	6-7-85	Owens Cr	1
	6-13-85	Chestnut	1
	6-13-85	Owens Cr	1
	6-19-85	Owens Cr	2
	7-2-85	Owens Cr	1
<u>Hyphantria textor</u> : Fall Webworm.....	6-27-85	Owens Cr	1
	6-27-85	Chestnut	2
<u>Hypoprepia fucosa</u> : Painted Lichen Moth.....	7-20-85	VC	2
	7-20-85	Hemlock	1

	7-20-85	Owens	1
	8-1-85	Chestnut	1
	8-1-85	Owens Cr	1
	8-1-85	VC	2
<u>Lophocampa caryae</u> : Hickory Tussock Moth.....	5-23-85	VC	2
	5-23-85	Owens Cr	2
	5-31-85	Owens	2
	5-31-85	Hemlock	2
	6-13-85	VC	1
	6-19-85	Chestnut	1
<u>Polia latex</u> : Fluid Arches.....	6-13-85	VC	2
	7-20-85	Hemlock	1
<u>Pyrharctia isabella</u> : Isabella Tiger Moth.....	5-16-84	Owens Cr	1
	5-16-85	VC	1
	6-7-85	VC	1
	6-13-85	Owens Cr	1
	6-19-85	Chestnut	1
	6-19-85	Hemlock	1
	6-19-85	Owens Cr	1
	6-19-85	VC	1
	6-27-85	Hemlock	1
	6-27-85	Owens Cr	1
	7-2-85	Owens Cr	2
	7-14-85	Chestnut	1
<u>Spilosoma congrua</u> : Agreeable Tiger Moth.....	5-10-85	Buttonwood	1
	5-10-85	Owens Cr	2
	5-10-85	Hemlock	1
	5-10-85	VC	1
	5-16-85	Buttonwood	1
	5-31-85	VC	3
	5-31-85	Hemlock	1
	6-7-85	Buttonwood	2
	6-7-85	Owens Cr	1
	6-7-85	Hemlock	2
	6-19-85	Chestnut	1
	6-19-85	Hemlock	2
	6-27-85	VC	2
	7-2-85	Chestnut	1
	7-2-85	VC	1
	7-2-85	Hemlock	1
	8-1-85	VC	1
<u>Spilosoma latipennis</u> : Pink-legged Tiger Moth.....	6-7-85	Buttonwood	1
	6-13-85	Hemlock	1
	6-13-85	Owens Cr	1
	7-2-85	Owens Cr	1
<u>Spilosoma virginica</u> : Yellow Bear.....	6-13-85	Owens Cr	1
	8-1-85	VC	1

Family Lymantriidae: Tussock Moths

<u>Dasychira dorsipennata</u> : Sharp-lined Tussock Moth...	7-2-85	VC	1
<u>Dasychira obliquata</u> : Streaked Tussock Moth.....	6-7-85	Buttonwood	1
<u>Dasychira tephra</u> : Tephra Tussock Moth.....	6-13-85	Owens Cr	1

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<u>Lymantria dispar</u> : Gypsy Moth.....	7-2-85	Chestnut	1	
	7-2-85	Hemlock	1	
	7-14-85	VC	4	R
	8-1-85	Owens Cr	2	
	8-8-85	Owens Cr	1	

Family Geometridae: Inchworm Moths

<u>Anacamptodes vellivolata</u> : Pale-winged Gray	7-2-85	VC	1	
<u>Besma endopriaria</u> : Straw Besma	5-4-85	VC	1	
	5-16-85	VC	1	
	5-16-85	Buttonwood	1	
	5-16-85	Owens Cr	1	
	5-31-85	Hemlock	3	
	6-13-85	VC	1	
	6-13-85	Hemlock	1	
	6-13-85	Owens Cr	1	
	6-19-85	Hemlock	2	
	6-19-85	Owens Cr	1	
	6-27-85	Hemlock	3	
	6-27-85	Owens Cr	1	
	6-27-85	VC	1	
	7-2-85	VC	1	
	7-2-85	Chestnut	1	
<u>Besma quercivoraria</u> : Oak Besma	5-10-85	VC	1	
<u>Biston betularia</u> : Pepper & Salt Moth	5-10-85	Owens Cr	1	
	5-10-85	Hemlock	1	
	5-10-85	Buttonwood	1	
	5-16-85	Buttonwood	1	
	5-16-85	Owens Cr	1	R
	5-23-85	Owens Cr	2	R
	6-7-85	Hemlock	1	
	6-13-85	VC	1	
	6-19-85	Owens Cr	1	
	6-27-85	Owens Cr	1	
	7-2-85	Owens Cr	2	
	7-2-85	Chestnut	1	
	8-1-85	Owens Cr	1	
	8-8-85	Owens Cr	1	
<u>Campaea perlata</u> : Pale Beauty	5-31-85	Hemlock	1	
	5-31-85	Owens Cr	2	
	5-31-85	Buttonwood	1	
	6-7-85	Hemlock	2	
	6-7-85	Owens Cr	2	
	6-7-85	Buttonwood	1	
	6-7-85	VC	1	
	6-13-85	Owens Cr	1	
	6-13-85	Chestnut	1	
	6-19-85	Owens Cr	2	
	6-19-85	Hemlock	1	
	6-27-85	Hemlock	1	
	8-24-85	Hemlock	2	
	8-24-85	Owens Cr	1	
	8-24-85	Hemlock	1	
	8-30-85	Hemlock	1	
	8-30-85	Owens Cr	1	
	9-16-85	Chestnut	1	R
<u>Caripeta aretaria</u> : Southern Pine Looper	6-27-85	Hemlock	1	R
<u>Caripeta divisata</u> : Gray Spruce Looper	8-24-85	Owens Cr	1	R
<u>Dysstroma hersiliata</u> : Orange-barred Carpet	6-7-85	Owens Cr	1	

	6-19-85	Buttonwood	1	
		Chestnut	2	R
<u>Eotropis orepuscularia</u> : Small Engrailed.....	6-7-85	VC	1	
<u>Ennonos subsignaria</u> : Elm Spanworm.....	6-13-85	Owens	1	
	6-27-85	Hemlock	1	
<u>Epimeces hortaria</u> : Tulip Tree Beauty.....	5-10-85	Hemlock	2	
	5-16-85	Hemlock	1	R
	5-16-85	Owens Cr	2	R
	5-23-85	Owens Cr	3	R
	5-31-85	Hemlock	3	C
	5-31-85	Owens Cr	3	R
	6-13-85	Owens	3	
	6-19-85	Hemlock	2	
	6-19-85	Owens	3	
	6-27-85	Chestnut	1	
	6-27-85	Owens Cr	1	
	7-2-85	VC	1	
	7-2-85	Owens Cr	1	
	7-14-85	Owens Cr	2	
	7-20-85	Hemlock	1	
	7-20-85	Owens Cr	1	R
	7-20-85	VC	1	R
	8-1-85	Chestnut	1	
	8-8-85	Owens	1	
	9-6-85	Owens	1	
<u>Euohlaena obtusaria</u> : Obtuse Euohlaena.....	8-24-85	Hemlock	1	
<u>Euohlaena tigrinaria</u> : Mottled Euohlaena.....	6-7-85	Buttonwood	2	
	6-7-85	VC	2	A
	6-13-85	Chestnut	2	R
	6-13-85	Owens Cr	1	
	6-13-85	VC	2	
<u>Eufidonia notataria</u> : Powder Moth.....	5-23-85	Hemlock	1	
<u>Eulithis diversilineata</u> : Lesser Grapevine Looper.....	8-1-85	Chestnut	2	
	8-30-85	Owens Cr	1	
	8-30-85	Hemlock	1	
<u>Eusarca confusaria</u> : Confused Eusarca.....	5-31-85	VC	1	R
<u>Eutrapela clematara</u> : Curve-toothed Geometer.....	7-20-85	Owens Cr	1	R
	8-1-85	Owens Cr	1	R
<u>Heliomata cycladata</u> : Common Spring Moth.....	5-10-85	VC	1	
	5-10-85	Buttonwood	1	
	5-31-85	Buttonwood	2	
	5-31-85	Hemlock	1	
	5-31-85	Owens Cr	1	
	5-31-85	VC	1	
	6-7-85	VC	1	
	6-7-85	Hemlock	1	
	6-7-85	Owens Cr	1	
	6-19-85	Chestnut	1	
<u>Hydria undulata</u> : Scallop Shell.....	5-31-85	Owens Cr	1	

	8-24-85	Chestnut	1	
<u>Hypagyrtis esther</u> : Esther Moth.....	5-23-85	Owens Cr	1	R
	6-20-85	Hemlock	1	R
	8-24-85	Chestnut	2	
	8-24-85	VC	2	
<u>Hypagyrtis unipunctata</u> : One-spotted Variant.....	6-19-85	Owens Cr	2	
	8-24-85	Chestnut	3	
	8-24-85	Hemlock	1	
	8-24-85	Owens Cr	1	
	8-24-85	VC	2	
	9-6-85	Hemlock	2	
<u>Iridopsis larvaria</u> : Bent-line Gray.....	5-10-85	VC	1	
	5-10-85	Hemlock	1	
	5-16-85	Buttonwood	2	
	5-16-85	Hemlock	1	R
	5-16-85	Owens Cr	2	R
	5-16-85	VC	1	R
	5-23-85	Hemlock	2	
	8-1-85	VC	2	
	8-1-85	Chestnut	3	
	8-8-85	Chestnut	4	
	8-8-85	Owens Cr	2	
	8-24-85	Chestnut	1	
	8-24-85	Owens Cr	1	
<u>Itame pustularia</u> : Lesser Maple Spanworm.....	7-20-85	Hemlock	1	
	6-27-85	VC	2	
<u>Lambdina fiscellaria</u> : Hemlock Looper.....	5-23-85	VC	1	
<u>Lambdina pellucidaria</u> : Yellow-headed Looper.....	5-4-85	VC	1	
<u>Lomographa vestaliata</u> : White Spring Moth.....	6-13-85	Chestnut	1	
	6-13-85	Owens Cr	1	
<u>Lytrosis unitaria</u> : Common Lytrosis.....	6-13-85	Owens	1	
	6-19-85	Owens	1	
	6-19-85	Chestnut	2	
	6-27-85	Hemlock	1	R
	6-27-85	VC	1	
	7-2-85	Chestnut	1	
	7-2-85	Owens	2	
	7-2-85	Hemlock	1	
<u>Melanophia signataria</u> : Signate Melanophia.....	5-4-85	VC	1	
	5-4-85	Buttonwood	1	
	5-10-85	Owens Creek	1	
	5-10-85	Hemlock	1	
	5-16-85	Buttonwood	1	
	5-16-85	VC	1	
	5-23-85	Hemlock	1	
	8-1-85	Owens Cr	1	
	8-8-85	Chestnut	2	R
<u>Metarranthus hypochraria</u> : Common Metarranthus....	6-7-85	Hemlock	1	
<u>Nacophora quernaria</u> : Oak Beauty.....	5-10-85	VC	2	
	5-10-85	Buttonwood	1	

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	5-23-85	VC	1	
	6-7-85	VC	2	
	6-7-85	Hemlock	1	
	6-19-85	Owens Cr	1	
	6-27-85	VC	1	
<u>Nemoria lixaria</u> : Red-bordered Emerald.....	7-2-85	VC	1	
	7-20-85	VC	1	R
	8-1-85	Chestnut	1	C
	8-1-85	Owens Cr	1	
<u>Pero honestaria</u> : Honest Pero.....	5-10-85	VC	1	
	5-10-85	Hemlock	1	
	5-31-85	Hemlock	1	C
	6-13-85	VC	1	
	6-13-85	Owens Cr	1	
	6-19-85	Owens Cr	1	
	6-19-85	VC	1	
	8-8-85	Owens Cr	2	
	8-8-85	Chestnut	1	
<u>Plagodis alcoalaria</u> : Hollow-spotted Plagodis.....	5-10-85	Buttonwood	2	
	"	Owens Cr	1	
	"	VC	1	
	5-16-85	Hemlock	1	
	5-16-85	VC	2	R
	"	Buttonwood	1	
	5-23-85	VC	2	
	5-31-85	VC	3	
	6-7-85	VC	3	
	6-13-85	Hemlock	1	
	6-13-85	Owens Cr	1	
	6-19-85	Chestnut	1	
	6-19-85	VC	1	
	6-27-85	Hemlock	1	
	6-27-85	VC	1	R
	7-2-85	VC	1	
<u>Plagodis fervidaria</u> : Fervid Plagodis.....	5-10-85	VC	1	
	"	Hemlock	1	
<u>Plagodis keutzingeri</u> : Purple Plagodis.....	5-31-85	Hemlock	1	
	5-31-85	Owens Cr	1	
	6-19-85	Owens Cr	1	
<u>Plagodis serinaria</u> : Lemon Plagodis.....	5-16-85	Hemlock	1	
	5-23-85	VC	1	
	5-31-85	Owens Cr	3	
	5-31-85	Hemlock	2	
	6-7-85	VC	1	
	6-7-85	Hemlock	1	
	6-13-85	Chestnut	1	
<u>Probole alienaria</u> : Alien Probole.....	5-16-85	Buttonwood	1	
	6-13-85	Owens Cr	1	
	6-19-85	Hemlock	1	
<u>Probole amicaria</u> : Friendly Probole.....	5-31-85	Hemlock	1	R
	8-1-85	Owens Cr	1	
<u>Probole nysaria</u> : Dogwood Probole.....	6-7-85	Hemlock	1	

<u>Prochoerodes transversaria</u> : Large Maple Spanworm	7-2-85	Chestnut	1	
	7-14-85	Owens Cr	2	C
<u>Protoboarmia porcelaria</u> : Porcelain Gray	6-7-85	Owens Cr	1	
	6-19-85	Hemlock	1	
	7-2-85	Hemlock	2	
	9-6-85	Hemlock	1	
<u>Sabulodes sulphurata</u> :	8-1-85	Chestnut	1	R
<u>Scopula limboundata</u> : Large Lace-border	7-24-85	Hemlock	1	
<u>Sicya macularia</u> : Sharp-lined Yellow	6-19-85	Hemlock	1	
<u>Tetracis cachexiata</u> : White Slant-line	5-16-85	VC	1	
	5-23-85	VC	2	
	5-23-85	Hemlock	1	
	5-23-85	Owens Cr	1	
	5-31-85	Buttonwood	1	
	6-7-85	Hemlock	2	
	6-7-85	Owens Cr	1	
	6-7-85	VC	1	
	6-13-85	Owens Cr	1	
	6-13-85	Hemlock	1	
	6-13-85	VC	1	
	6-13-85	Chestnut	1	
	6-19-85	Chestnut	1	
<u>Tetracis orocallata</u> : Yellow Slant-line	7-24-85	Hemlock	1	
<u>Trichodezia albivittata</u> : White-striped Black	7-2-85	Hemlock	1	
	8-1-85	Owens Cr	1	
	9-6-85	Hemlock	1	R

Family Noctuidae: Owllet Moths

<u>Acronicta albarufa</u> : (Dagger moth)	5-23-85	VC	1	
	6-7-85	Buttonwood	1	
	6-13-85	VC	1	
	6-19-85	Hemlock	1	
<u>Acronicta grisea</u> : Gray Dagger Moth	5-10-85	Hemlock	1	
<u>Acronicta haesitata</u> : Hesitant Dagger Moth	5-16-85	VC	2	
	5-16-85	Buttonwood	1	
	6-7-85	VC	1	
	6-7-85	Buttonwood	1	
	6-13-85	VC	1	
	6-19-85	VC	3	
<u>Acronicta hamamelis</u> : (dagger moth)	6-27-85	VC	1	
	7-24-85	Hemlock	1	
	8-1-85	Chestnut	1	
	8-1-85	VC	1	
<u>Acronicta interrupta</u> : Interrupted Dagger	6-7-85	VC	1	
<u>Acronicta spinigera</u> : Nondescript Dagger	6-19-85	VC	1	

	7-2-85	VC	1	
<u>Allotria elonympha</u> : False underwing.....	5-10-85	VC	1	
	5-10-85	Buttonwood	1	
	5-16-85	Buttonwood	1	
	5-16-85	VC	1	R
	5-23-85	VC	1	
	5-31-85	Hemlock	1	R
	6-7-85	VC	1	A
	6-13-85	Chestnut	1	R
	6-13-85	VC	1	
	6-19-85	VC	2	
	6-19-85	Hemlock	2	
	6-19-85	Chestnut	1	
	7-2-85	VC	1	
	8-1-85	Chestnut	1	
	8-1-85	VC	1	
	9-6-85	VC	1	
<u>Amphipyra pyramidoides</u> : Copper Underwing.....	8-8-85	Owens Cr	1	R
	9-6-85	Hemlock	1	R
	9-6-85	Owens Cr	1	R
<u>Anorthodes tarda</u> : The Slowpoke.....	5-10-85	VC	3	
	5-10-85	Buttonwood	1	
	5-10-85	Hemlock	1	
	5-16-85	VC	2	
	5-16-85	Hemlock	2	
<u>Apamea indocilis</u> : Ignorant apamea.....	8-1-85	Chestnut	1	
<u>Bomolocha baltimoralis</u> : Baltimore Bomolocha.....	6-7-85	Owens Cr	1	
	6-19-85	VC	1	
<u>Callopistria mollissima</u> : Pink-shaded Fern Moth.....	5-23-85	Hemlock	1	
	6-13-85	Chestnut	1	R
	7-2-85	Chestnut	1	
<u>Catocala agrippina</u> : Agrippina Underwing.....	8-8-85	Chestnut	1	
	8-8-85	Owens Cr	1	
<u>Catocala amica</u> : Girlfriend Underwing.....	8-1-85	VC	2	
<u>Catocala habilis</u> : Habilis Underwing.....	8-24-85	Chestnut	1	
<u>Catocala ilia</u> : Iliia Underwing.....	8-8-85	Chestnut	2	
	8-8-85	Owens Cr	1	
	8-24-85	Hemlock	1	
	8-30-85	VC	1	R
	9-6-85	VC	1	
<u>Catocala palaeogama</u> : Oldwife Underwing.....	7-14-85	Owens Cr	1	
	8-9-85	Chestnut	1	
<u>Catocala ultronia</u> : Ultronia Underwing.....	8-1-85	Owens Cr	1	
	8-1-85	Chestnut	1	
<u>Celiptera frustulum</u> : Black Bit Moth.....	5-31-85	Owens Cr	1	R
<u>Cerma cerintha</u> : Tufted Bird-dropping Moth.....	8-1-85	Chestnut	1	
<u>Chytolita morbidalis</u> : Morbid Owllet.....	8-24-85	Hemlock	1	

<u>Chytonix palliatricula</u> : Cloaked Marvel.....	5-23-85	VC	1	
	6-7-85	VC	1	
	6-13-85	Chestnut	1	R
	6-19-85	VC	1	
	6-27-85	VC	1	R
	8-1-85	Chestnut	1	R
<u>Elaphria festivoides</u> : Festive Midget.....	5-10-85	Buttonwood	1	R
	5-31-85	Hemlock	1	R
	8-10-85	VC	1	R
<u>Eudryas grata</u> : Beautiful Wood-nymph.....	6-19-85	Chestnut	1	R
	7-14-85	Owens Cr	1	
	7-20-85	Owens Cr	1	R
	7-20-85	VC	1	R
	8-1-85	Chestnut	1	
	8-1-85	Owens Cr	1	
	8-4-85	VC	1	R
<u>Euparthenos nubilis</u> : Locust Underwing.....	5-10-85	VC	1	
	5-10-84	Buttonwood	1	
	5-31-85	Buttonwood	1	R
	6-27-85	VC	1	
	7-2-85	Chestnut	1	
	7-20-85	VC	1	R
	8-8-85	Chestnut	2	
<u>Homorthodes furfurata</u> : Sourfy Quaker.....	9-6-85	Owens Cr	1	R
<u>Lacinipolia implicata</u> : Implicit Arches.....	9-6-85	VC	1	R
<u>Panopoda carneicosta</u> : Brown Panopoda.....	6-13-85	VC	1	
	7-20-85	Hemlock	1	
	7-20-85	VC	1	
	8-1-85	VC	1	
	8-8-85	Chestnut	1	
<u>Panopoda rufimargo</u> : Red-lined Panopoda.....	7-2-85	VC	2	
	7-2-85	Hemlock	1	
	7-20-85	VC	2	R
	8-1-85	Owens Cr	1	
	8-1-85	VC	2	
<u>Parallelia bistriaris</u> : Maple Looper Moth.....	5-16-85	Owens Cr	2	R
	5-16-85	Hemlock	2	R
	5-31-85	Buttonwood	1	R
	5-31-85	Hemlock	1	R
	5-31-85	Owens Cr	1	R
	5-31-85	VC	1	R
	6-7-85	VC	1	
	6-19-85	Hemlock	1	R
	7-24-85	VC	1	
	8-1-85	Chestnut	2	
<u>Polygrammate hebraeicum</u> : The Hebrew.....	5-10-85	VC	1	
	5-31-85	VC	1	R
	6-13-85	VC	1	
	6-19-85	Chestnut	1	R
	7-20-85	VC	1	R

	8-1-85	VC	1	
<u>Pseudoplusia includens</u> : Soybean Looper.....	9-6-85	Hemlock	1	R
<u>Renia discoloralis</u> : Discolored Renia.....	8-24-85	VC	1	
<u>Spaelotis clandestina</u> : Clandestine Dart.....	9-16-85	Chestnut	1	R
<u>Ulolonche culea</u> : Sheathed Quaker.....	5-16-85	Buttonwood	1	
<u>Xestia dolosa</u> : Greater Blackletter Dart.....	8-24-85	Chestnut	2	
	8-24-85	Hemlock	1	
	8-24-85	VC	1	
<u>Zale horrida</u> : Horrid Zale.....	5-10-85	Hemlock	1	
	5-10-85	Buttonwood	1	
	5-31-85	Buttonwood	1	R
<u>Zale lunata</u> : Lunate Zale.....	5-10-85	VC	2	
	5-10-85	Hemlock	1	
	5-16-85	Hemlock	1	R
	5-16-85	Owens Cr	1	R
	5-16-85	VC	2	R
	5-23-85	VC	3	
	5-31-85	Hemlock	1	C
	5-31-85	Owens Cr	1	R
	5-31-85	VC	2	R
	6-7-85	Buttonwood	2	
	6-13-85	Chestnut	1	R
	6-13-85	VC	1	
	6-13-85	Owens	1	
	6-19-85	Chestnut	1	R
	6-19-85	Owens	1	
	6-19-85	Hemlock	1	
<u>Zale undularis</u> : Black Zale.....	5-31-85	Buttonwood	1	R
<u>Zale unilineata</u> : One-lined Zale.....	5-10-85	VC	1	
	5-10-85	Owens Cr	1	
	5-16-85	Owens Cr	1	R
	5-31-85	Buttonwood	1	R
<u>Zanclognatha ochreipennis</u> : Wavy-lined Zanclognatha	8-1-85	Chestnut	4	

APPENDIX II

SAMPLE DATA SHEET

NPS - MSM

LEPIDOPTERAN DATA SHEET

Date _____

Time _____

Site Location _____

Weather Conditions
Last 12 hours _____

Moon Phase _____

<u>No. of Different Species</u>	<u>No. of Individuals of That Species Collected</u>	<u>Species ID</u>
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Other interesting observations _____

Signature of Technician _____

APPENDIX III

RAW DATA

MICROLEPIDOPTERA



6506 Quentin Court
New Carrollton, MD 20784
November 26, 1985

Dear Dr. Dobey,

Enclosed is a list of microlepidoptera collected at a UV light trap on June 24, 1983 in Catoctin Mountain National Park. They were collected as part of the Maryland Entomological Society field day at the request of the park. Some of the specimens have been sent to the U. S. National Museum, Washington, D.C. and some I am temporarily retaining for further study.

GRACILLARIIDAE

Neurobathra strigifinitella (Clemens)
Leucospilapteryx venustella (Clemens)
Caloptilia packardella (Chambers)
C. serotinella (Ely)
Parornix sp. poss. *obliterella* Dietz
Cameraria quercivorella (Chambers)
C. bethunella (Chambers)
Chrysaster ostensackenella (Fitch)
Phyllonorycter robiniella (Clemens)
P. basistrigella (Clemens)

TINEIDAE

Monopis dorsistrigella Clemens

LYONETIIDAE

Bucculatrix coronatella Clemens
B. pomifoliella Clemens

COSMOPTERIGIDAE

Stilbosis venifica Hodges
Perimede erransella Chambers
Stilbosis tesquella Clemens

COLEOPHORIDAE

Coleophora lentella Heinrich

OECOPHORIDAE

Decantha boreasella (Chambers)

Menesta melanella Murtfeld

MOMPHIDAE

Mompha luciferella (Clemens)

GELECHIIDAE

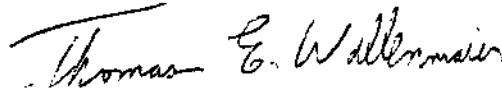
Anacampsis conclusella (Walker)

**Chionodes mediofuscella* (Clemens)

Dichomeris punctidiscella Clemens

Taygete attributella (Walker)

Yours truly,

A handwritten signature in cursive script, reading "Thomas E. Wallenmaier". The signature is written in dark ink and is positioned above the printed name.

Thomas E. Wallenmaier