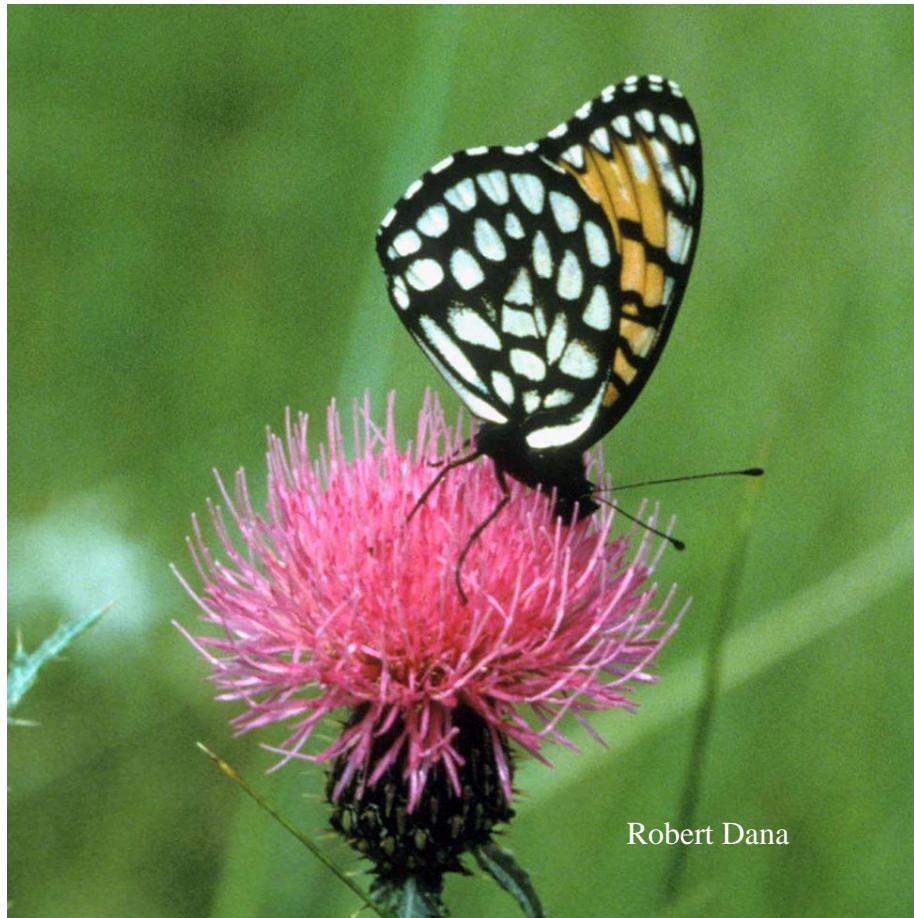


# **A Survey of Lepidoptera in Three Priority Areas of the Minnesota State Parks System**

## **Final Report**



Robert Dana

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MNDNR- Division of Parks and Trails  
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## **INTRODUCTION**

A legislative audit of Minnesota State Parks management was conducted in 1999. One of the findings of the audit was that “not enough survey and inventory research is being conducted to identify existing resources, establish baselines, determine how the resources should be managed and preserved and monitor the long-term impacts of new development and recreational use.” (MN Office of the Legislative Auditor, 2000).

Parks resource specialists identified a number of taxa for which better inventory data was needed. Lepidoptera species were considered a high priority group for survey work in MN state parks for three reasons: 1) it is a profoundly under-surveyed group (primarily the Suborder Frenatae – most moths) in MN, 2) gypsy moth (*Lymantria dispar*) is becoming established in the state leading to increased control efforts which could have significant non-target impacts and 3) state parks resource management efforts, such as prescribed burning, can also have non-target impacts if not conducted properly.

## **MINNESOTA LEPIDOPTERA**

The Lepidoptera order includes butterflies and moths. In the United States and Canada, there are 760 known species of butterflies (Covell, 2005). Of those, 21% or 163 species (Huber, 1981) have been documented in Minnesota. There are also 10,470 species of moths known in the U.S. and Canada (Covell, 2005). Assuming a similar proportion of moths occurring in Minnesota as do butterflies (21%) suggests that approximately 2200 species of moths may be found in the state.

Butterflies have been comparatively well documented in Minnesota through the efforts of Robert Dana, Ron Huber, Dean Hansen and others, but many areas of the state remain un-surveyed. In contrast, records for moth species in Minnesota are lacking both in terms of numbers and distribution. A search of the on-line database, Butterflies and Moths of North America (Opler et al, 2009), turned up 166 moth species documented in MN, less than 10% of the diversity which is likely present in the state.

## **STATE WILDLIFE ACTION PLAN**

Minnesota's recently completed state wildlife action plan, Tomorrow's Habitat for the Wild & Rare (MNDNR, 2006) calls for surveys of key habitats and wildlife taxa underrepresented by Minnesota County Biological Survey efforts (Goal II, Strategy IIA).

## **STATE PARK SURVEY – LOCATIONS AND METHODS**

Surveys were conducted from 2006-2008. Most parks were sampled for two field seasons. A total of 13 parks, six in southeastern MN, one in east-central MN and six in northeastern MN were sampled. In southeastern MN, the focus was on butterfly and moth species inhabiting bluff prairies. In east-central MN, the emphasis was on moth species utilizing jack pine barrens and wetlands. In northeastern MN, a variety of native plant communities were sampled to document moth species presence and determine which of those species would likely be susceptible to gypsy moth control efforts.

In southeastern MN, sampling consisted of both light traps and visual encounter surveys for butterflies. Since efforts in east-central and northeastern MN were directed primarily at moths, sampling was done mostly using light traps. A total of 117 sites were sampled during the three year period. See Appendix for maps showing sampling locations. Cascade River, Judge C. R. Magney and Grand Portage state parks were sampled for one season; the other 10 parks were sampled for two seasons.

James Bess, an expert in moth and butterflies was contracted to conduct the survey with the assistance of park staff at some locations.

## **RESULTS**

A total of 840 species were documented during the survey of which 72 were butterflies and 768 were moths. A list of all species found during the survey and lists of species documented by park are included in the appendix. The parks in northeastern MN which appeared to contain the greatest diversity of Lepidoptera were George Crosby Manitou and Tettegouche, with 405 and 431 species respectively. In southeast MN, the park containing

the greatest diversity was Great River Bluffs with 322 species. Table 1 lists the number of Lepidoptera species by park.

**Table 1 – Number of Lepidoptera Species Documented by Park**

<u>Park</u>	<u># Lepidoptera Species</u>	<u>Park Location</u>
Beaver Creek Valley	208	Southeast MN
Cascade River	145	Northeast MN
Forestville/Mystery Cave	168	Southeast MN
Frontenac	271	Southeast MN
George Crosby Manitou	405	Northeast MN
Grand Portage	75	Northeast MN
Great River Bluffs	322	Southeast MN
John A. Latsch	149	Southeast MN
Judge C. R. Magney	142	Northeast MN
St. Croix	249	East-central MN
Temperance River	199	Northeast MN
Tettegouche	431	Northeast MN
Whitewater	258	Southeast MN

#### **State-listed Species, Species of Greatest Conservation Need and Rare Species**

The MN Special Concern regal fritillary (*Speyeria idalia*) was the only state-listed species documented during the survey. It was observed at Frontenac state park. It is also considered a species of greatest conservation need (SGCN). An additional SGCN was also documented during the survey. Tawny crescent (*Phycoides batesii*), was found at both George Crosby Manitou and Temperance River state parks.

As noted above, there is a paucity of data on Lepidoptera species, primarily Suborder Frenatae, in MN and many other states. This lack of basic information, such as presence and distribution within a state has resulted in the classification of very few moth species as endangered, threatened or special concern, or as species of greatest conservation need. Despite a fauna in MN that likely exceeds 2,000 species, only one moth, *Schinia indiana*, is listed as special concern and as a species of greatest conservation need. In comparison, MN has approximately 1,620 plant species of which 256 (16%) are classified as endangered, threatened or special concern (MNDNR, 1996). States adjacent to MN are similar. WI has two moth species on its list of endangered and threatened species (WIDNR 2009), Iowa, South Dakota and North Dakota do not list any moths (Zohrer 2006, North Dakota Fish & Game Department 2009, South Dakota Department of Game, Fish and Parks 2009). Ontario does the best job of the entities adjacent to MN. The list of provincially tracked insects for Ontario includes more than 40 moths (Ontario Ministry of Natural Resources 2009). In addition to the near absence of state classification, this lack of data has also prevented most moth species from receiving a conservation rank at either the state or national level (NatureServe, 2009)

This survey was intended to help address this concern by documenting the presence and relative abundance of Lepidoptera species in a selected group of state parks. As a preliminary means to assess the potential rarity of species, survey data was analyzed to determine which species had been documented at two or fewer parks and at only a single park. Of the 840 species documented, 346 (41%) were found only at two or fewer parks. One hundred and ninety-six (23%) were found only at a single park. George Crosby Manitou contained the greatest number of unique species (43) of the 13 parks sampled. St. Croix and Tettegouche were the 2<sup>nd</sup> and 3<sup>rd</sup> highest respectively with 38 unique species and 35unique species. The highest number of unique species for a park in the southeast was 18 unique species which occurred at both Great River Bluffs and Frontenac.

James Bess, the researcher conducting the survey also provided comments on the relative rarity of species based on his sampling experience in this project and his knowledge and experience in other parts of the Midwest. He identified 191 species as being of conservation concern. When the list of species documented at a single park and Mr. Bess's list were combined it totaled 274 species (33% of all species documented). Of those, 113 species (13%) appeared on both lists and perhaps provide the best indication at this time of which species may

need special consideration/management. This is close to the percentage of rare plants in the state (15%), a group of similar size (1600+ species).

The list of 274 species was compared with State Parks land cover data at sampling site locations to identify potentially significant habitats for rare species. Native plant communities are identified according to the native plant community classification system developed by the MN Department of Natural Resources (MNDNR 2003, MNDNR 2005). Table 2 contains the list of native plant communities or land cover classifications and the number of rare species associated with each.

Surveys were not conducted equally across all habitats so a quantitative comparison cannot be made but the results do suggest habitats which support a significant number of rare species. The Northern Mesic Mixed Forest (FDn43) native plant community class supported the greatest number of rare species (67). Within the class, 75% of rare species were found in Aspen-Birch Forest type (FDn43b). The second highest number of rare species (52) was recorded in the Central Dry Oak-Aspen (Pine) Woodland class (FDc25). Most rare species in this class were documented within the Jack Pine - Oak Woodland type (FDc25a). Other native plant communities supporting 30 or more rare species included: UPs13 Southern Dry Prairie (49 species), WFn53 Northern Wet Cedar Forest (39 species) and FDn32 Northern Poor Dry-Mesic Mixed Woodland (31 species).

**Table 2 – Native Plant Community Classes and Associated Number of Rare Lepidoptera Species Documented During the Survey**

NPC Class	# Rare Species by Class
APn80 - Northern Spruce Bog	24
APn91 - Northern Poor Fen	7
CTs12 - Southern Dry Cliff	3
FDc25 - Central Dry Oak-Aspen (Pine) Woodland	52
FDn32 - Northern Poor Dry-Mesic Mixed Woodland	31
FDn43 - Northern Mesic Mixed Forest	67
FDs38 - Southern Dry-Mesic Oak-Hickory Woodland	11
FPn73 - Northern Alder Swamp	2
LKu43 - Lake Superior Rocky Shore	2
MHc26 - Central Dry-Mesic Oak-Aspen Forest	2
MHn35 - Northern Mesic Hardwood Forest	10
MHn45 - Northern Mesic Hardwood (Cedar) Forest	24
MHs37 - Southern Dry-Mesic Oak Forest	14
MHs38 - Southern Mesic Oak-Basswood Forest	13
MHs39 - Southern Mesic Maple-Basswood Forest	25
MRn83 - Northern Mixed Cattail Marsh	1
UPs13 - Southern Dry Prairie	49
UPs14 - Southern Dry Savanna	3
WFn53 - Northern Wet Cedar Forest	39
WMn82 - Northern Wet Meadow Carr	3
Old Fields/Utility Corridors/Cropland	22
Campgrounds/Use Areas	16
Quarries/Gravel Pits	6

## Management Efforts

In 2009, in response to increased gypsy moth numbers in the North Shore region of MN, the USDA Forest Service and MN Dept. of Agriculture recommended a Btk treatment for a portion of the North Shore, including a portion of Cascade River State Park. As a result of this survey, 24 species of conservation concern were identified within the proposed spray block, some of which would be at particular risk because they are feeding at the same time as the gypsy moth larva (see Table 3). Negotiations with MN Dept. of Agriculture culminated in moving the Btk treatment elsewhere and allowing only a mating disruption treatment to be applied over park lands.

**Table 3 – Species of Lepidoptera of Conservation Concern Documented within the 2009 Proposed Btk Treatment Block at Cascade River State Park**

<i>Abagrotis placida</i> *	<i>Chytolita petrealis</i>	<i>Papaipema eupatoria</i>
<i>Anaplectoides pressus</i>	<i>Diarsia rubifera</i>	<i>Paradiarsia littoralis</i>
<i>Anathix puta</i>	<i>Enargia infumata</i> *	<i>Polia imbrifera</i>
<i>Apamea lateritia</i>	<i>Eurois occulta</i> *	<i>Protolampra rufipectus</i>
<i>Apharetra dentata</i>	<i>Hydriomena furcata</i>	<i>Pseudohermonassa tenuicula</i>
<i>Bellura diffusa</i>	<i>Lacinipolia lustralis</i>	<i>Semiothisa multilinea</i>
<i>Bellura gortynoides</i>	<i>Leucania multilinea</i> *	<i>Semiothisa multilineata</i>
<i>Chortodes inquinata</i>	<i>Metanema determinate</i> *	<i>Syngrapha rectangula</i>

\*Species known to be at risk from Btk because they are feeding at the same time as gypsy moth larvae. Several other species on this list may also be at risk from Btk but life history or other data was lacking so they were not specifically identified as “at risk” species by the surveyor.

In general management actions, such as prescribed burning and invasives species removal are necessary to preserve important Lepidoptera habitat, such as dry prairie and fire dependent forests. However, they can also be detrimental to Lepidoptera that overwinter above ground. Management actions and rare species locations are currently being reviewed and measures taken, if needed, to insure that management actions do not negatively impact populations of rare species.

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# APPENDIX

## Park Maps of Survey Sites

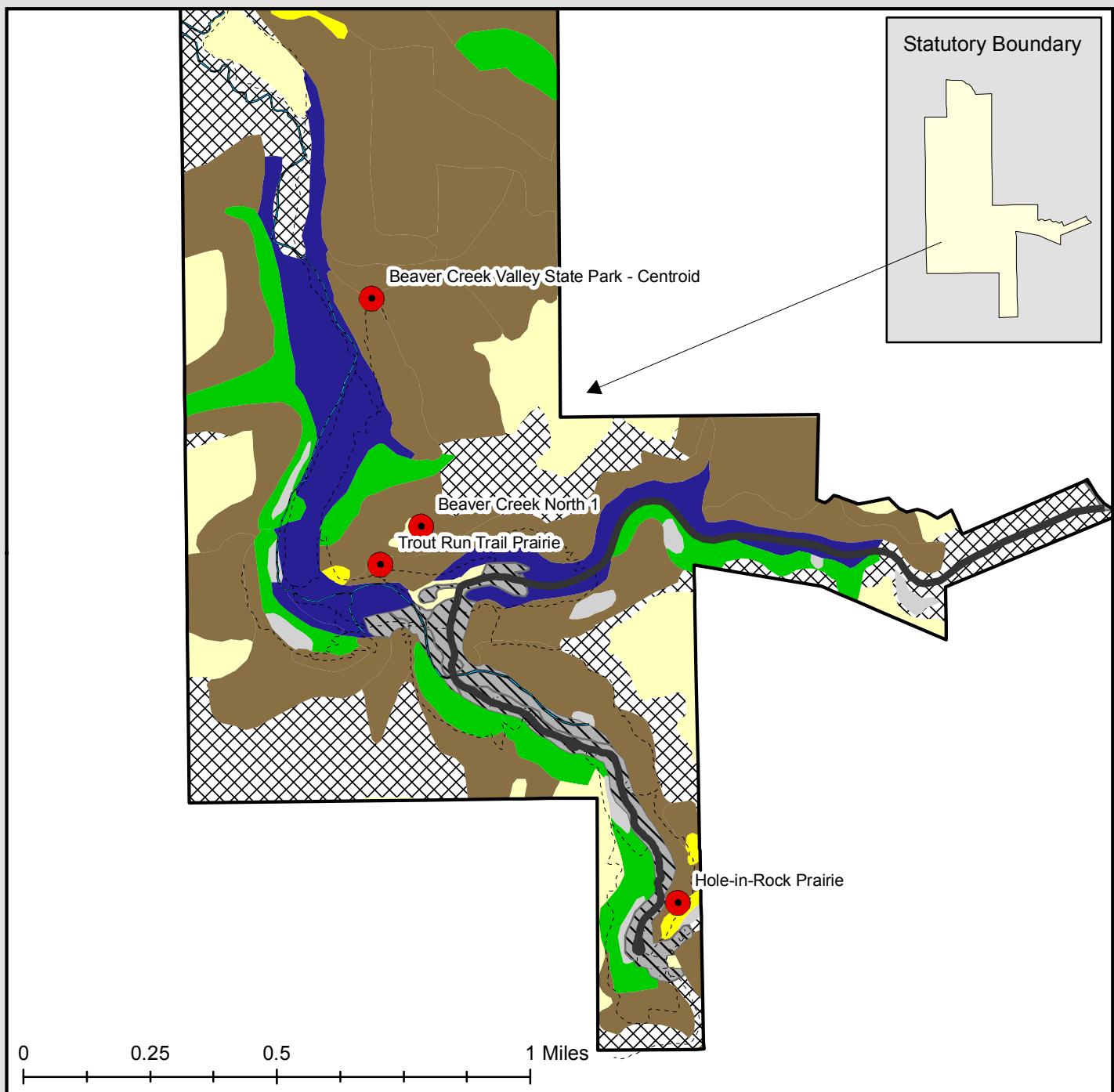
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- Cascade River State Park
- Forestville/Mystery Cave State Park
- Frontenac State Park
- George Crosby Manitou State Park
- Grand Portage State Park
- Great River Bluffs State Park
- John A. Latsch State Park
- Judge C. R. Magney State Park
- St Croix State Park
- Temperance River State Park
- Tettegouche State Park
- Whitewater State Park

## List of All Lepidoptera Species (840) Documented in 13 State Parks 2006-2008

## Individual State Park Lists of Lepidoptera Species Documented

**Rare/Significant Lepidoptera Species Based on Two Criteria: found at only 1 park and identified by surveyor James Bess as of conservation concern**

# Beaver Creek Valley SP Lepidoptera Survey Sites



The boundary lines shown on this map are intended to show general location and are for illustration purposes only. The boundary locations are not necessarily the result of a certified survey.

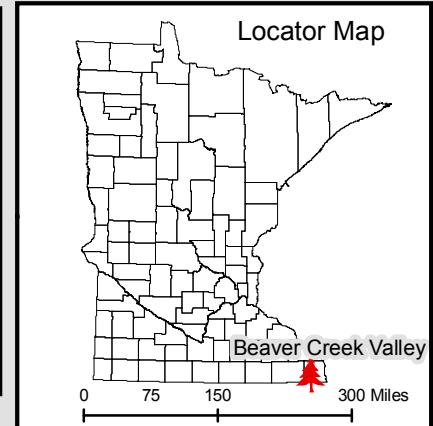
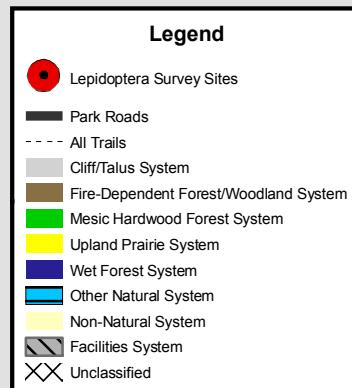


Map Prepared By: Minnesota State Parks - rbd

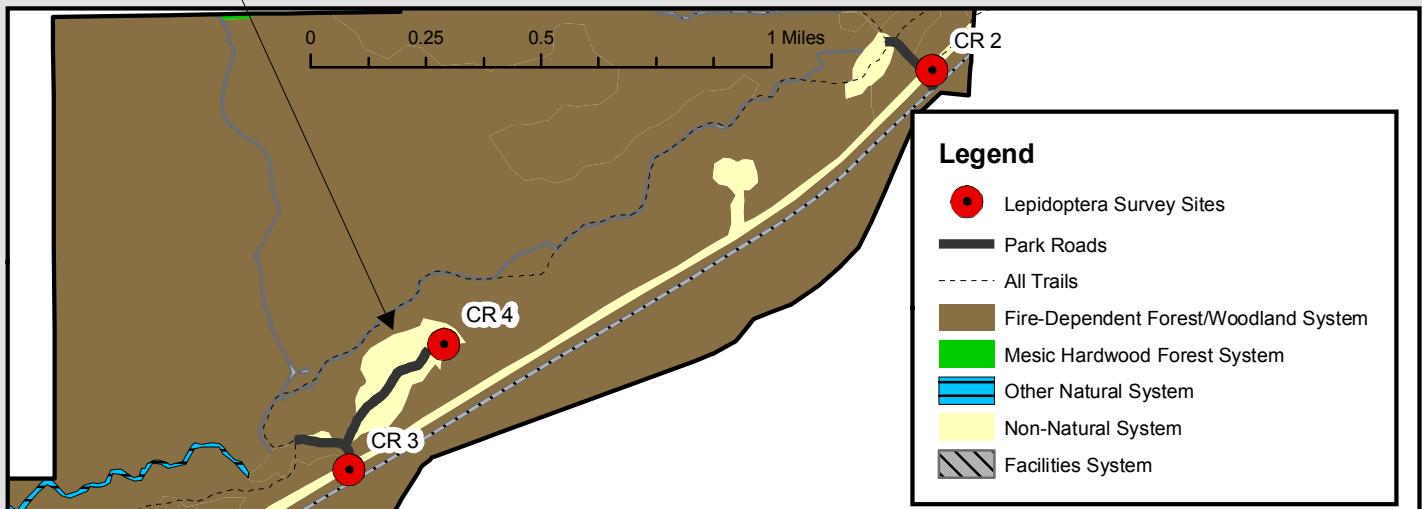
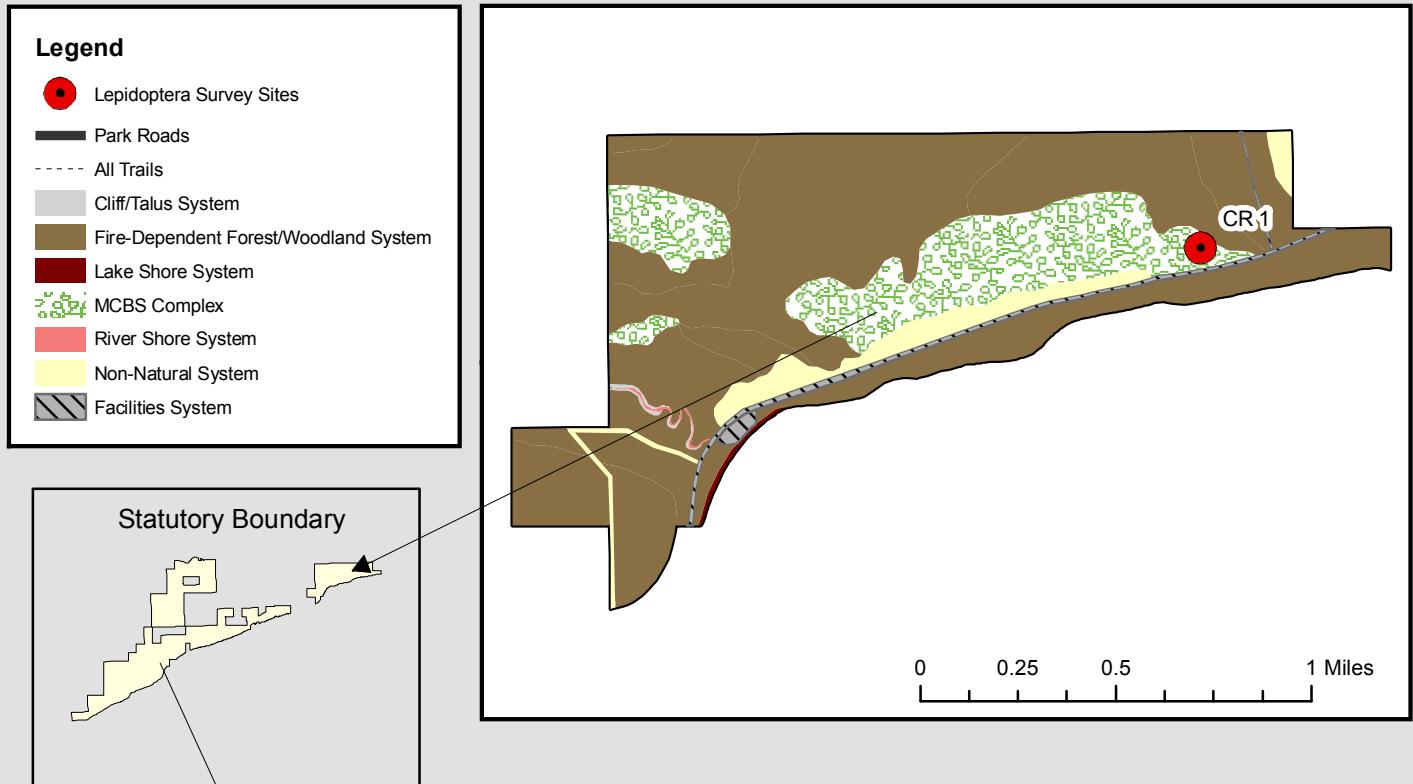
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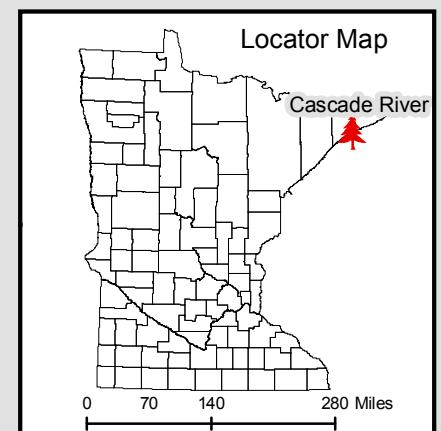
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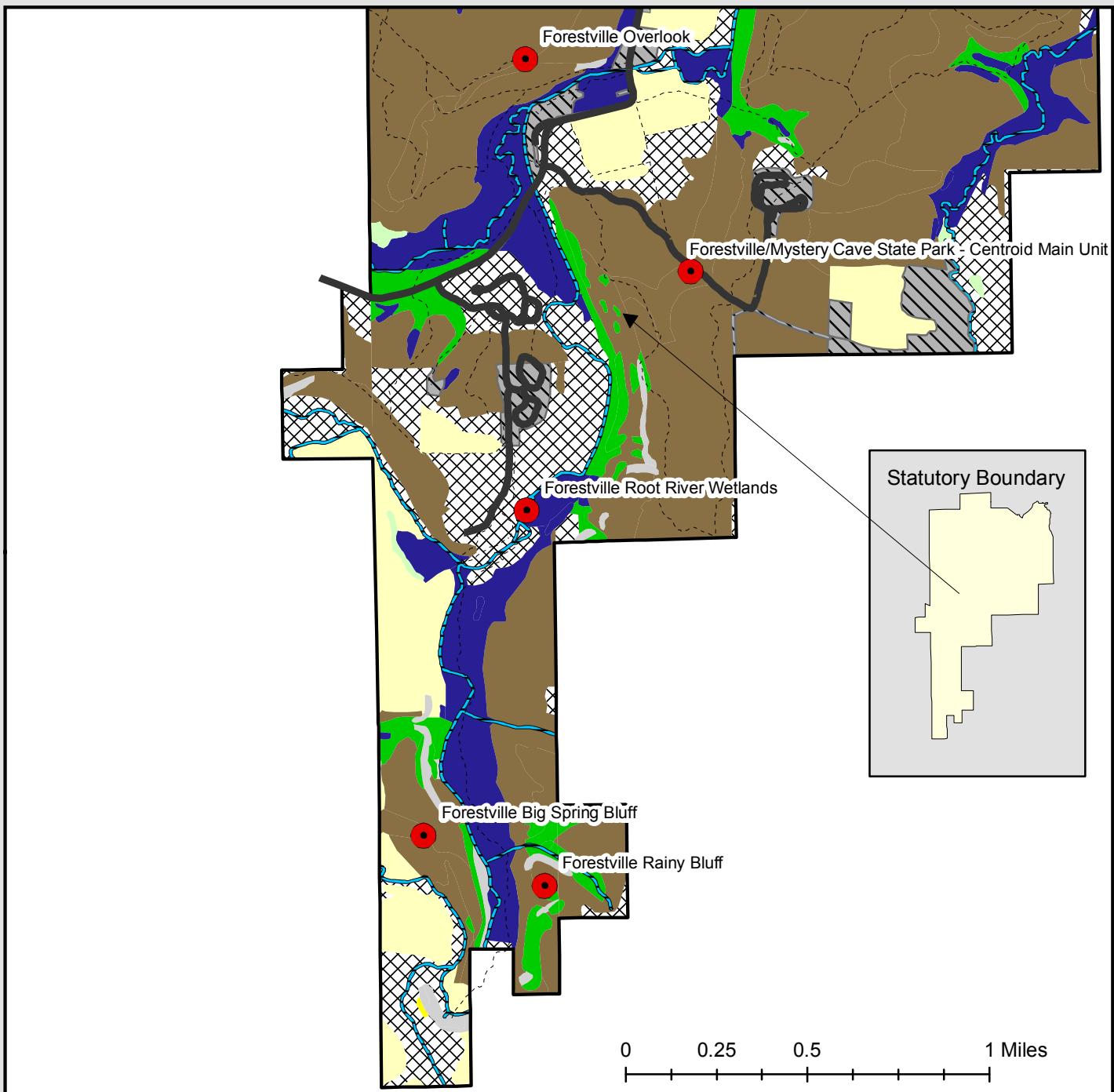
# Cascade River SP Lepidoptera Survey Sites



The boundary lines shown on this map are intended to show general location and are for illustration purposes only. The boundary locations are not necessarily the result of a certified survey.



# Forestville/Mystery Cave SP Lepidoptera Survey Sites



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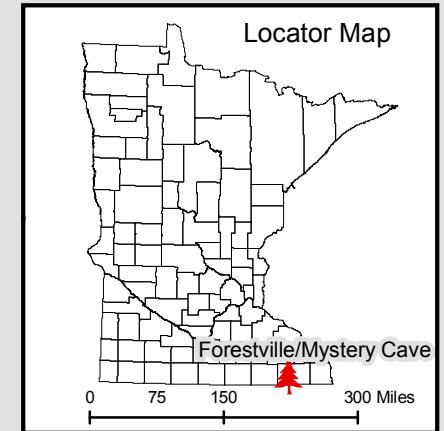
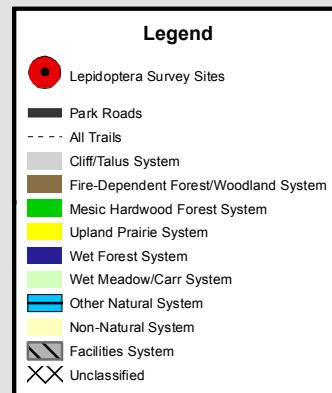


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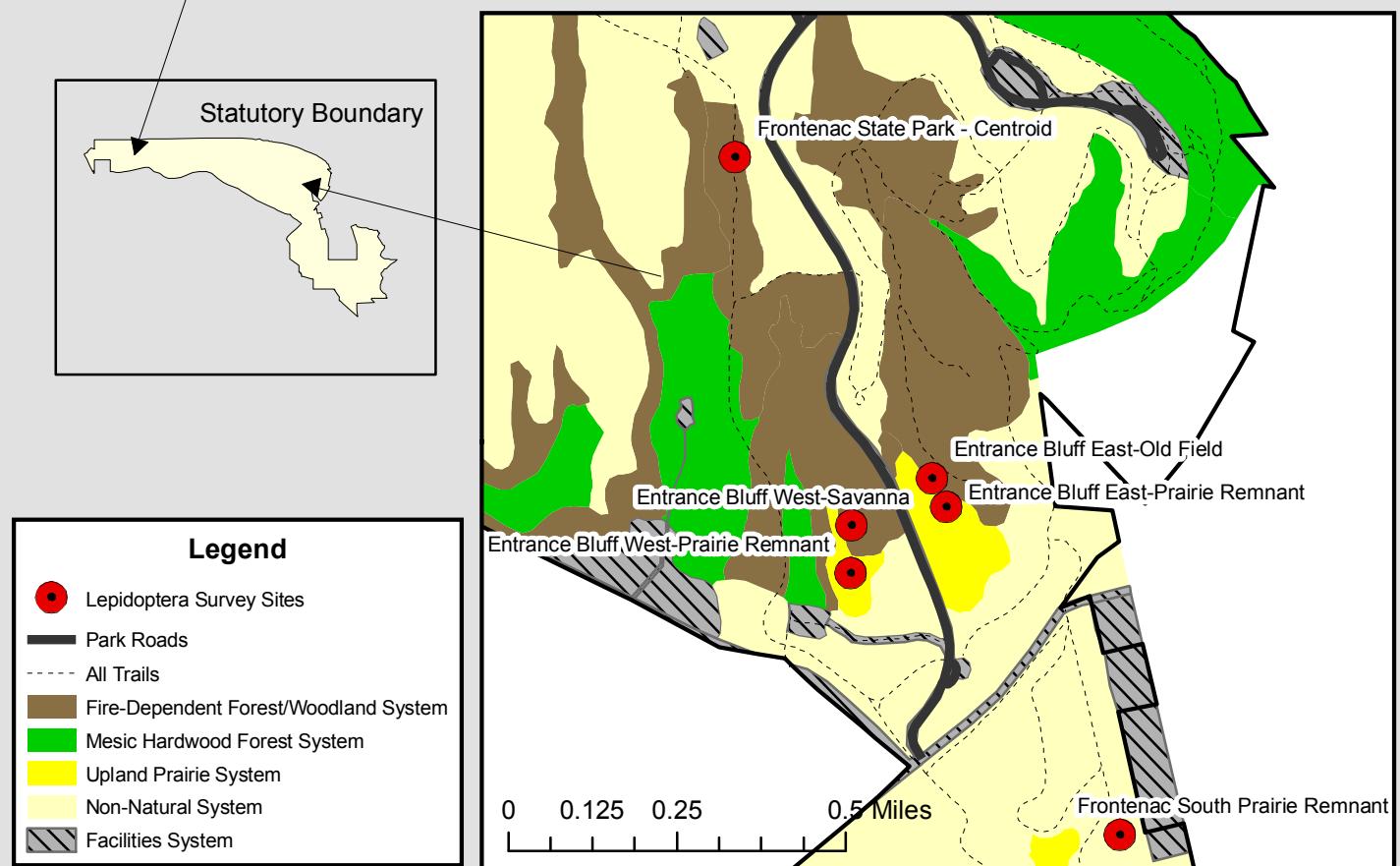
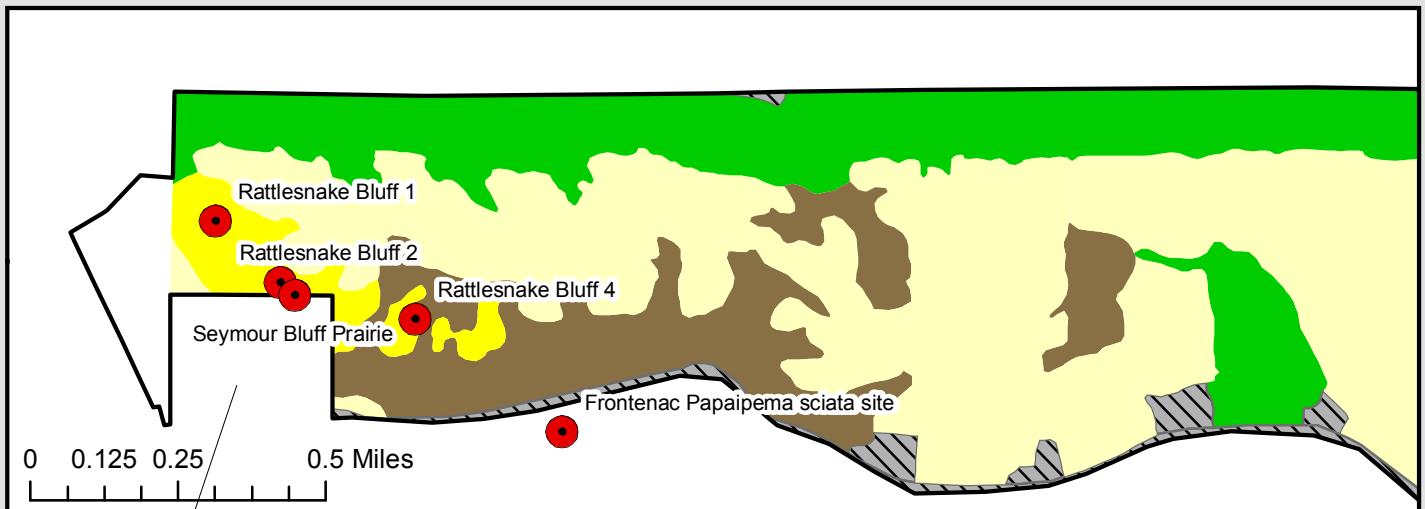
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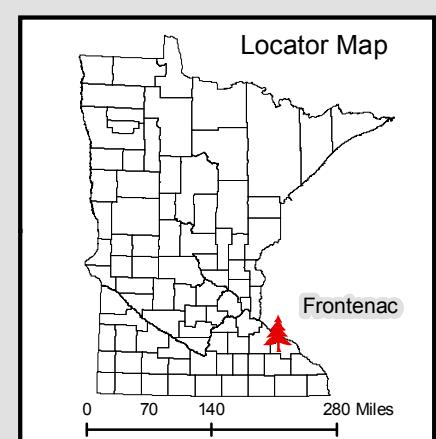
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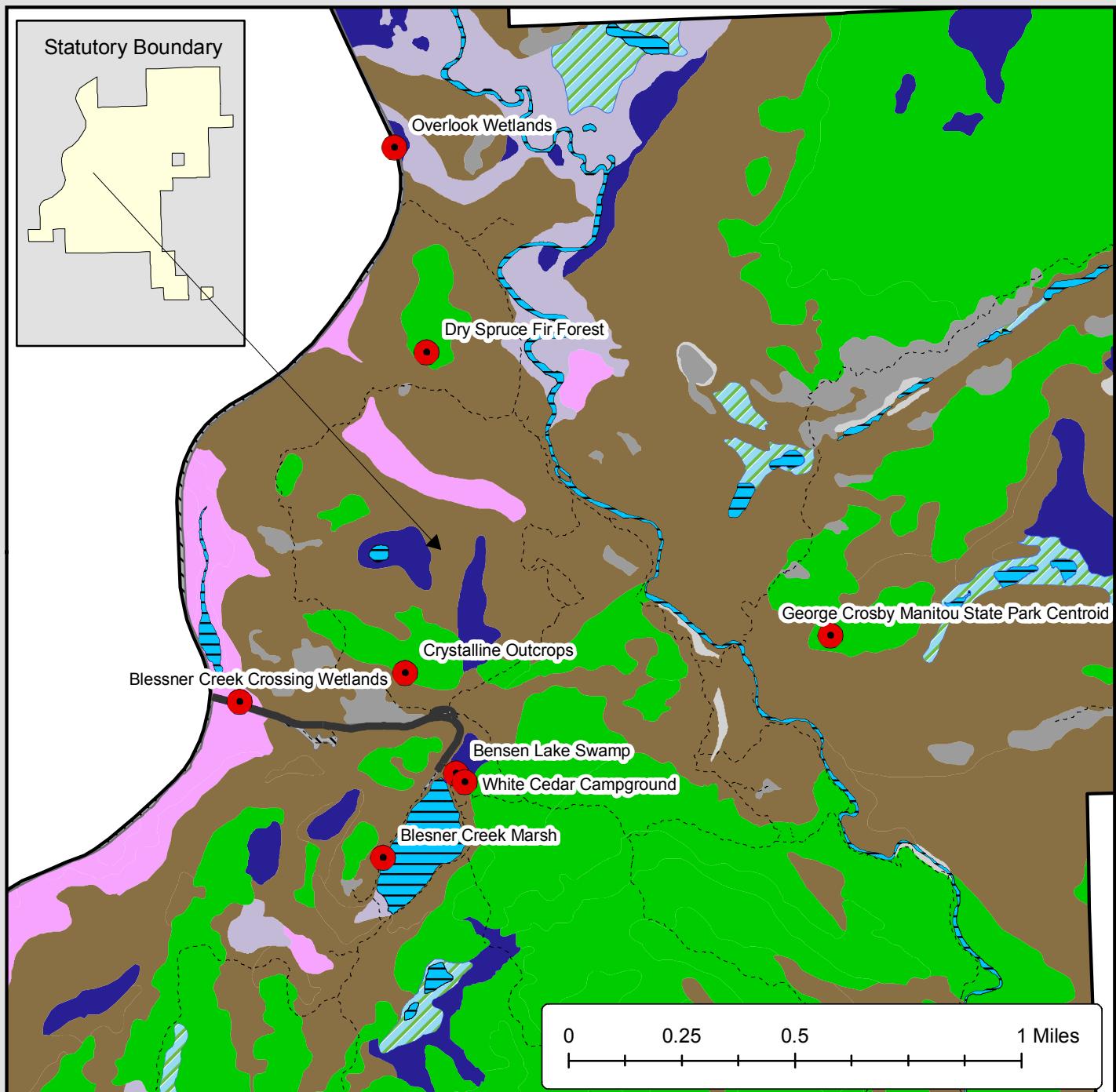
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Date: 3/30/2009

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# George Crosby Manitou SP Lepidoptera Survey Sites



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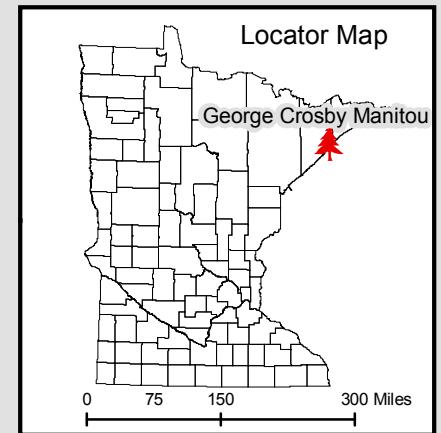
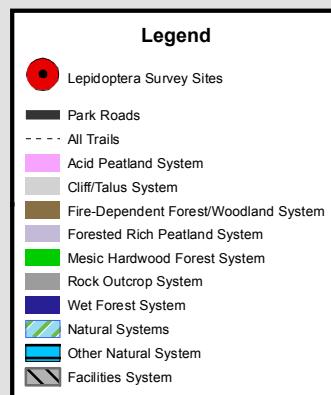


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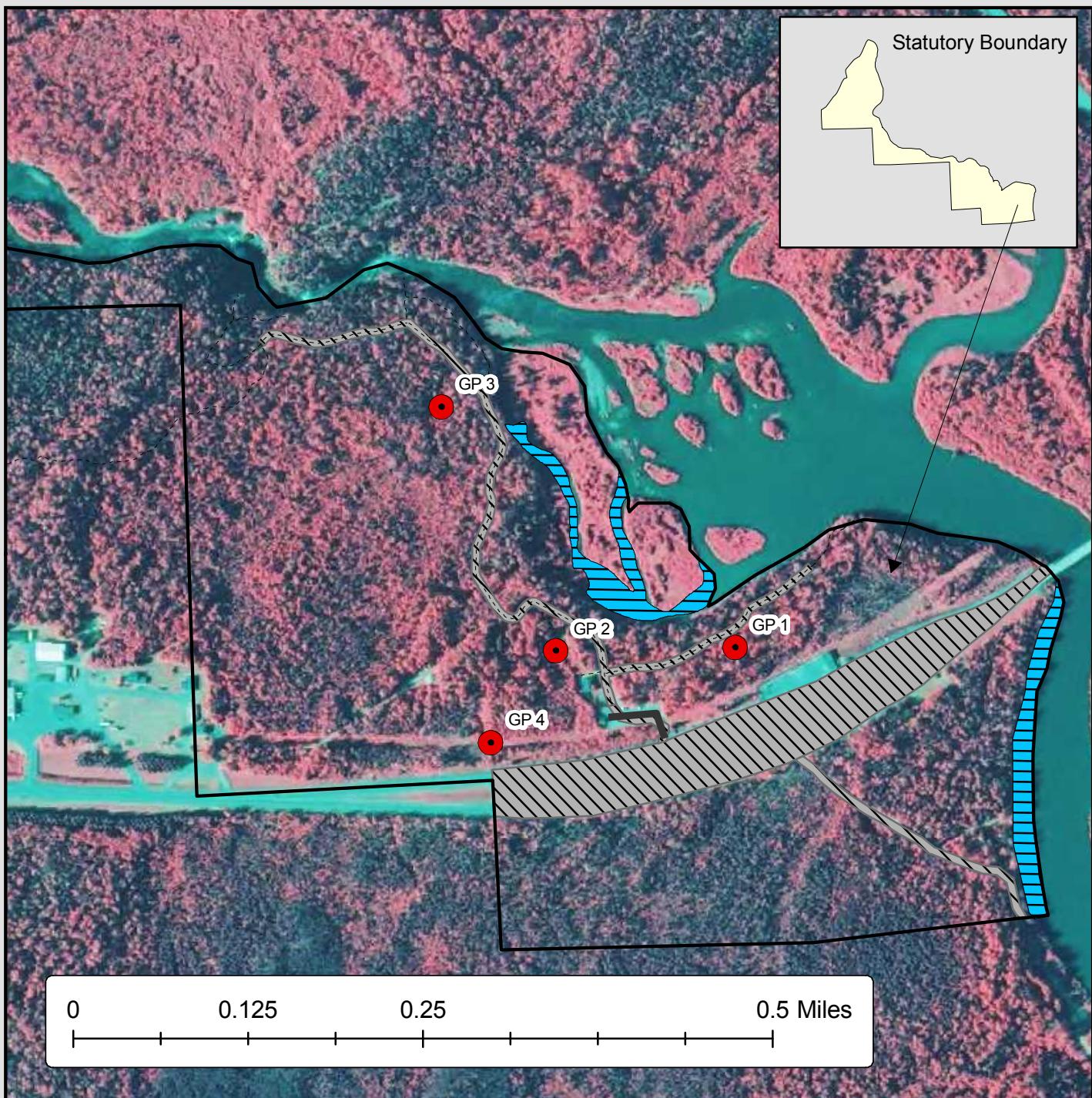
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Map Prepared By: Minnesota State Parks - rbd

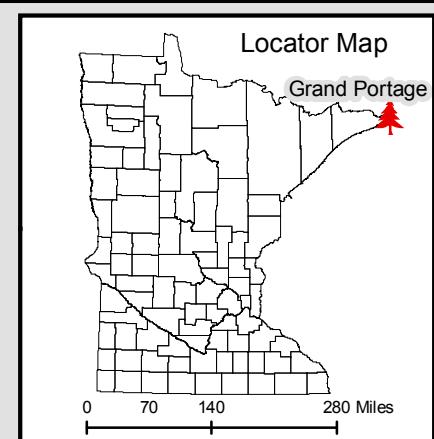
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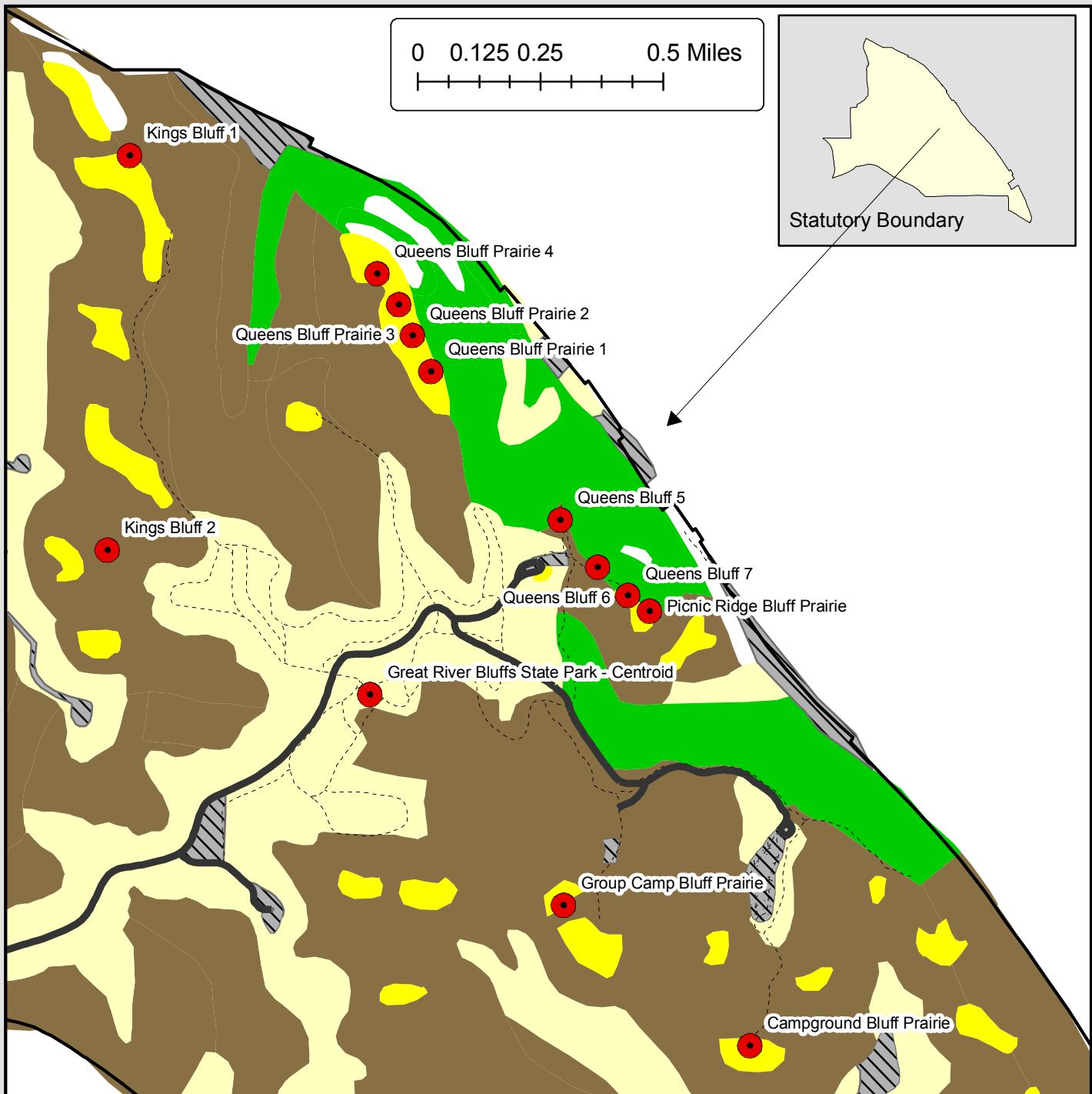
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Image: FSA 2008 CIR

Legend	
Statutory Boundaries	
Lepidoptera Survey Sites	●
Park Roads	—
All Trails	- - -
Other Natural System	■
Facilities System	▨



# Great River SP Lepidoptera Survey Sites

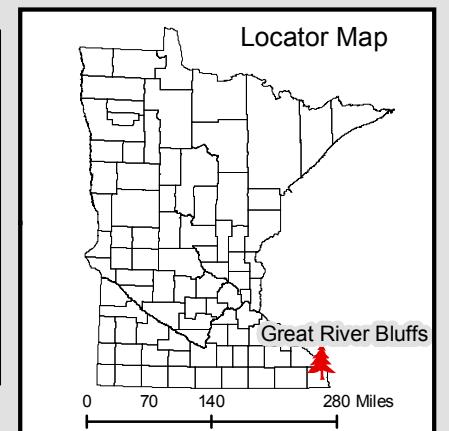
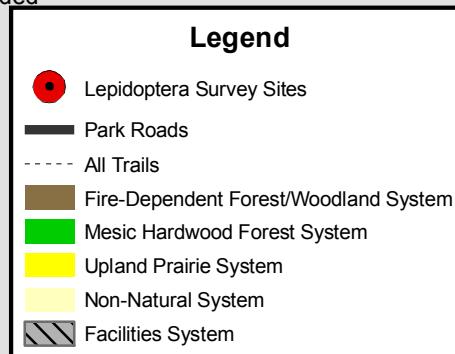


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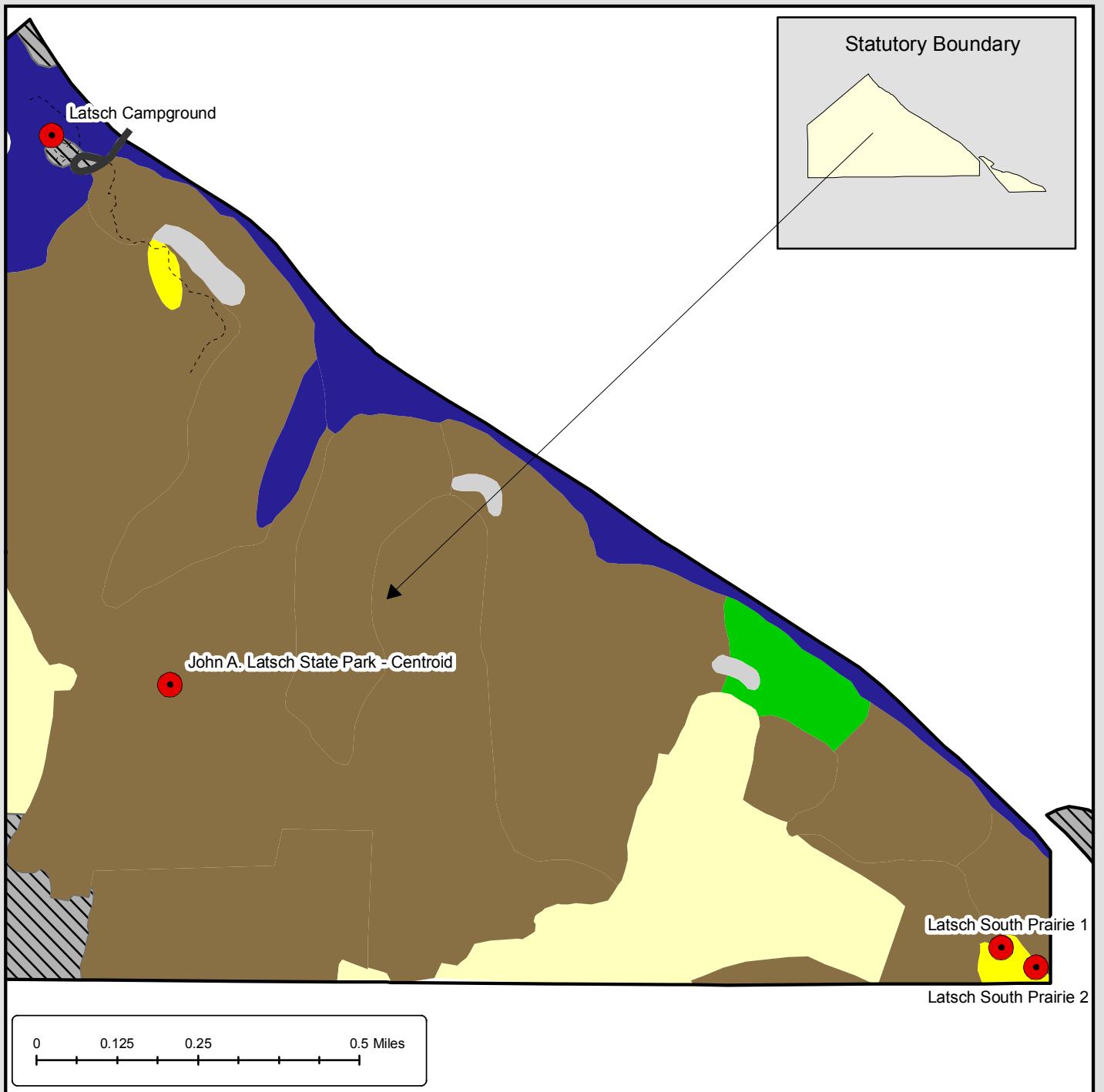


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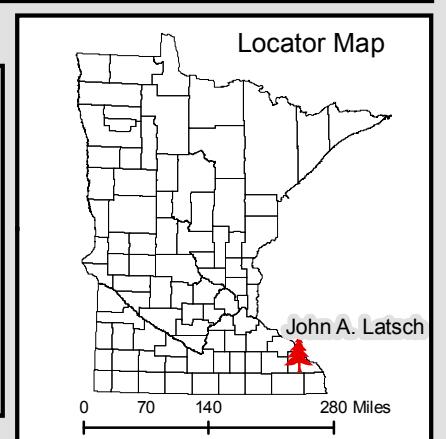
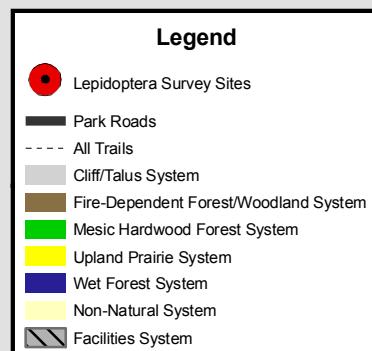


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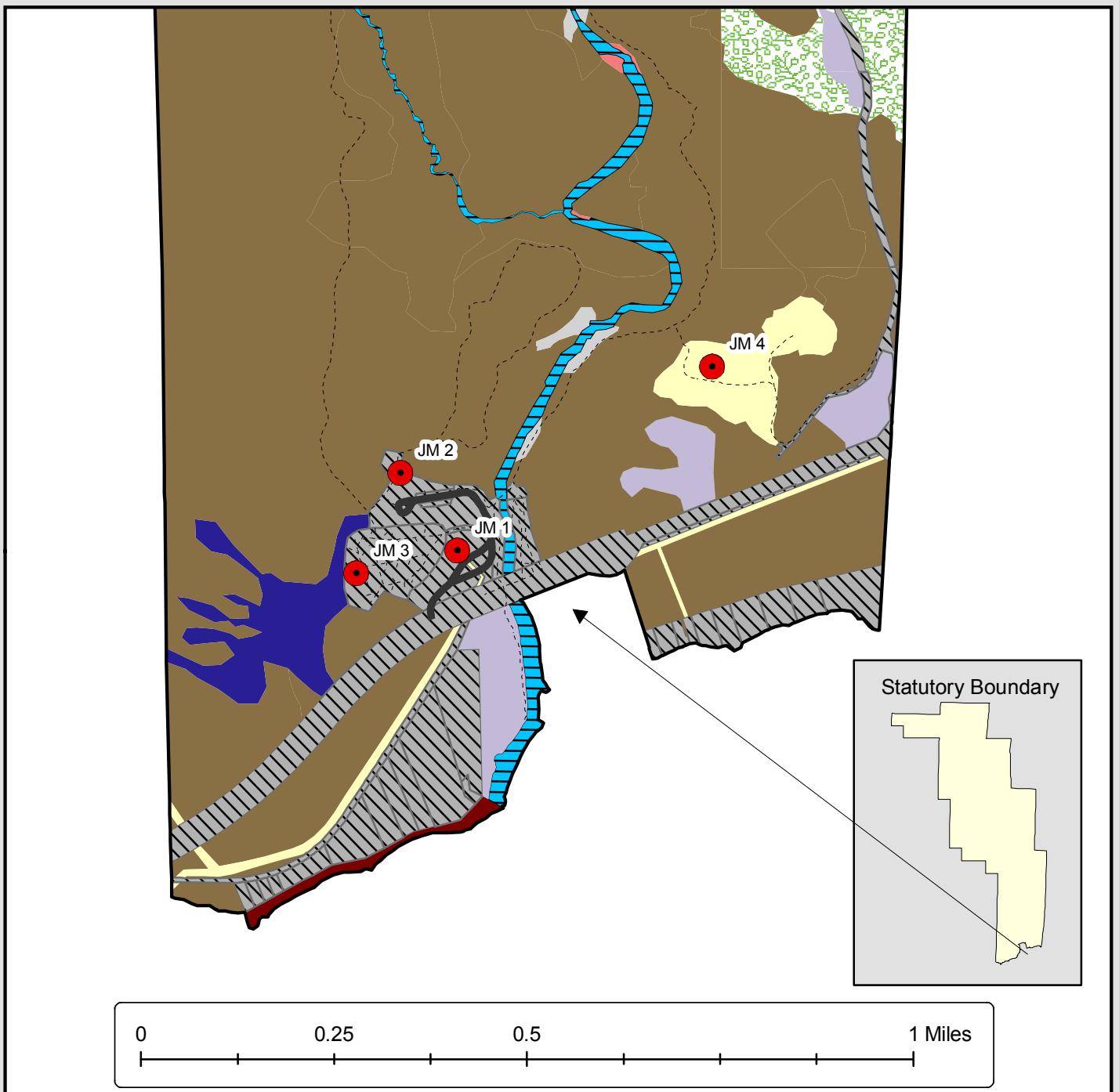
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# Judge C.R. Magney SP Lepidoptera Survey Sites



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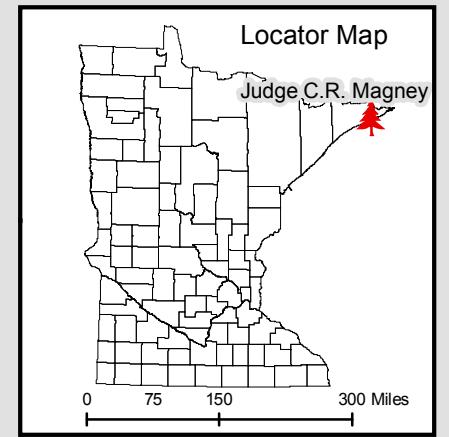
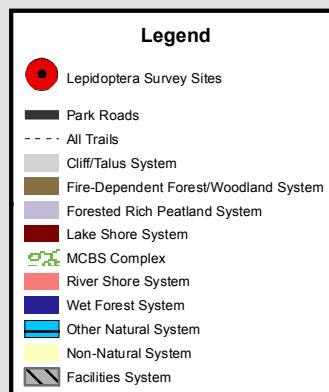


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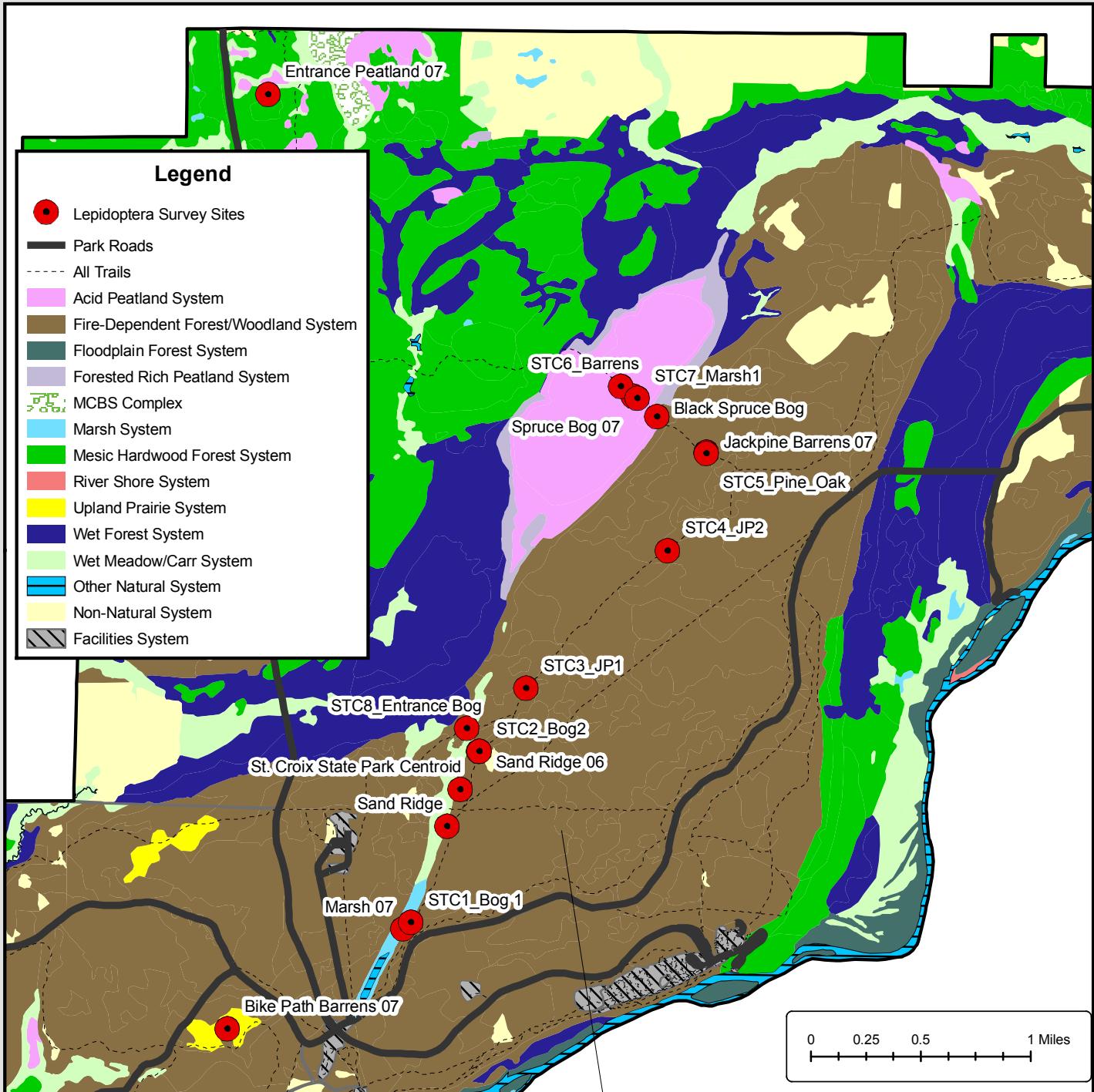
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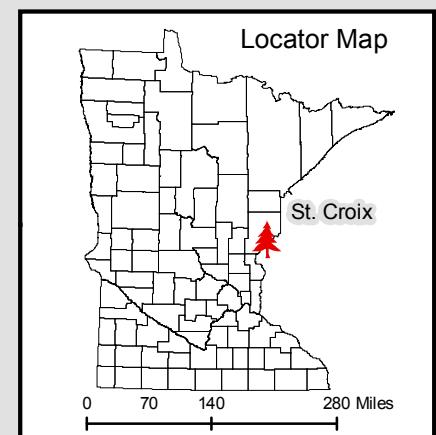
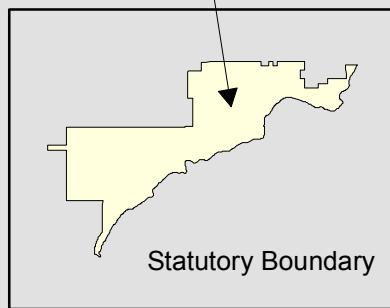
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# St. Croix SP Lepidoptera Survey Sites



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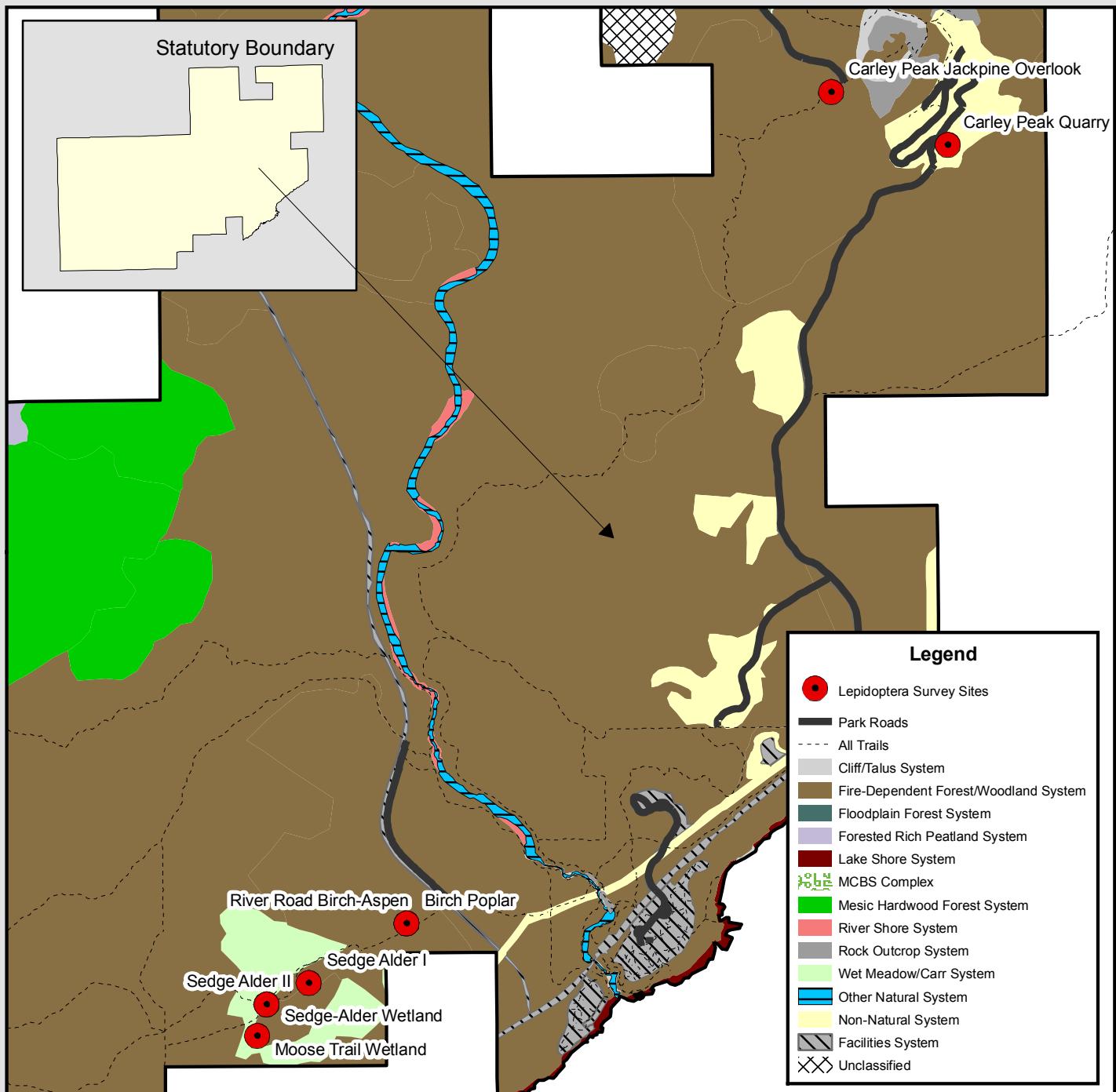
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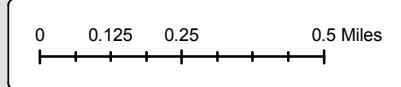
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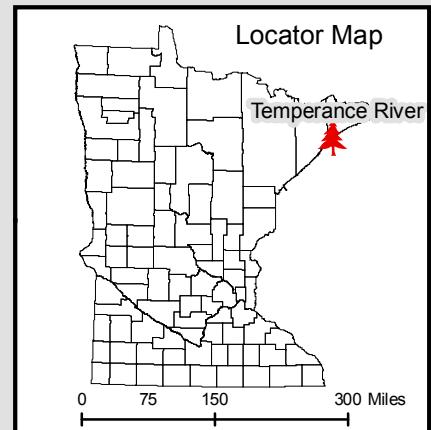


Map Prepared By: Minnesota State Parks - rbd

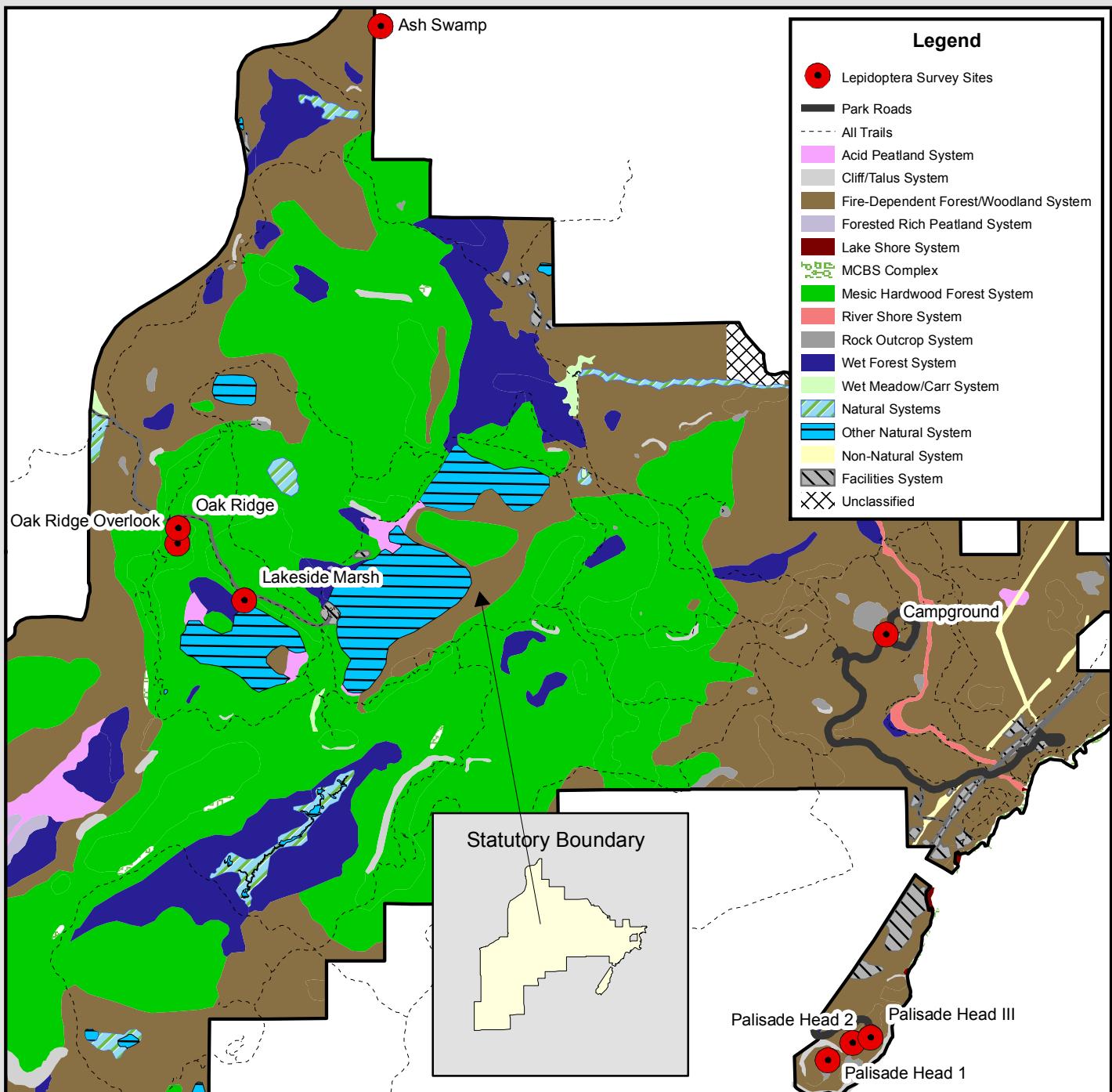
Date: 3/30/2009

Map Number: TR\_03312009.pdf

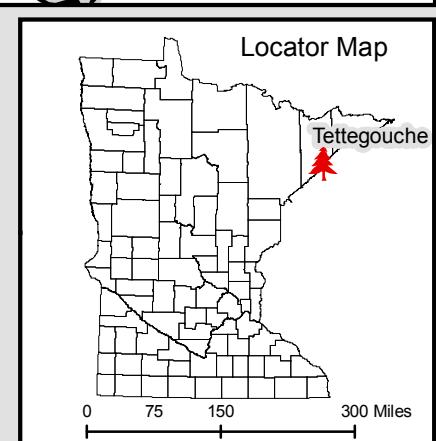
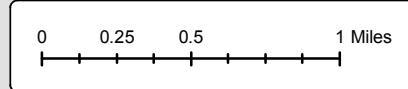
Project: D:\GIS\AccessDB2007\Lepidoptera\GISData\Temperance\_09.mxd



# Tettegouche SP Lepidoptera Survey Sites



The boundary lines shown on this map are intended to show general location and are for illustration purposes only. The boundary locations are not necessarily the result of a certified survey.



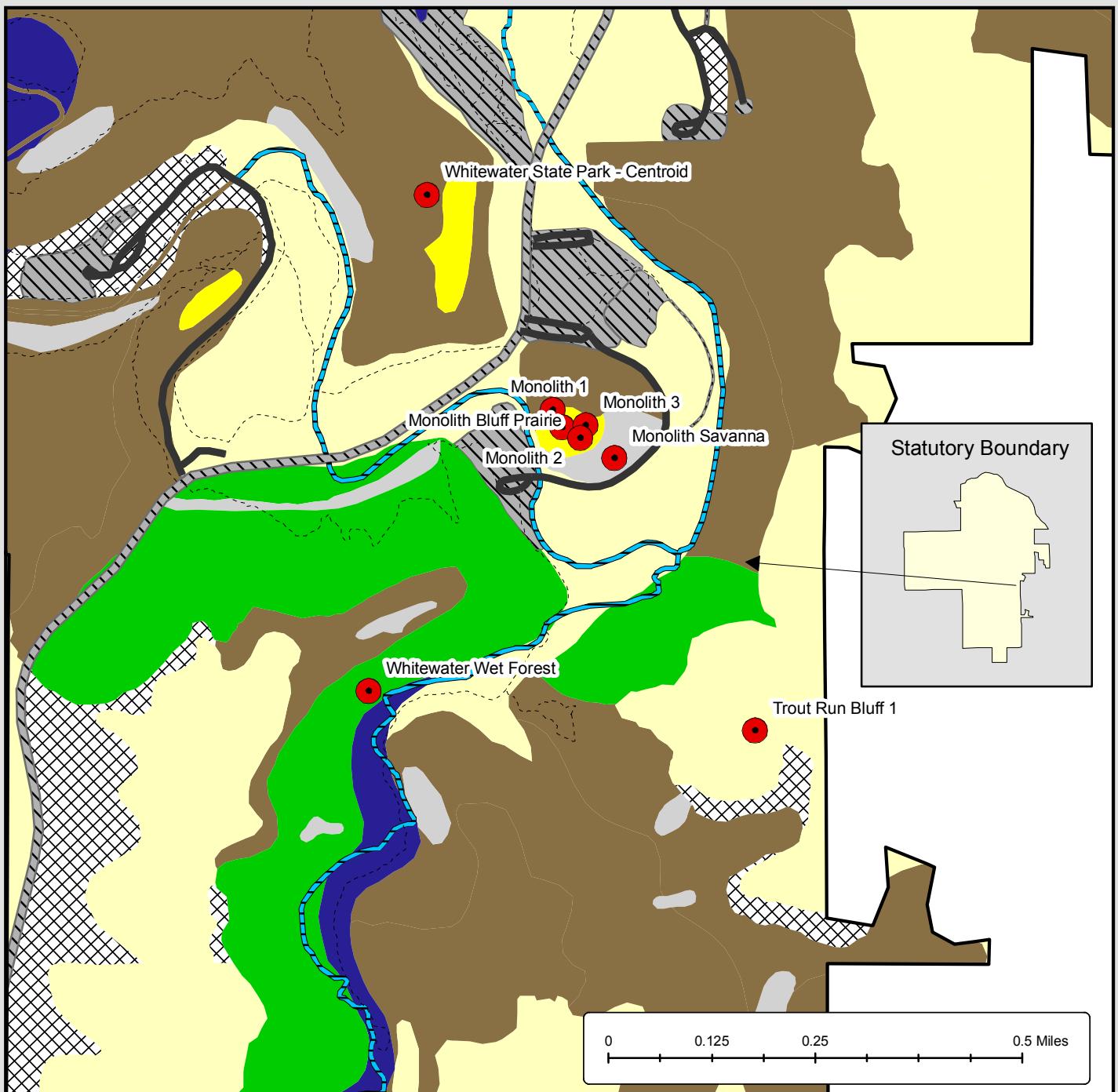
Map Prepared By: Minnesota State Parks - rbd

Date: 3/30/2009

Map Number: TETT\_03312009.pdf

Project: D:\GIS\AccessDB2007\Lepidoptera\GISData\Tettegouche\_09.mxd

# Whitewater SP Lepidoptera Survey Sites



The boundary lines shown on this map are intended to show general location and are for illustration purposes only. The boundary locations are not necessarily the result of a certified survey.

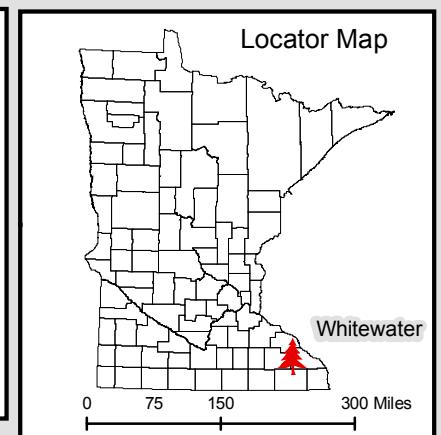
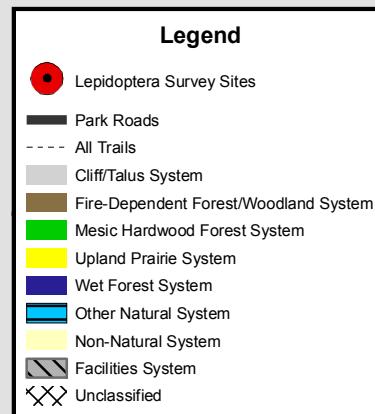


Map Prepared By: Minnesota State Parks - rbd

Date: 3/30/2009

Map Number: WW\_03312009.pdf

Project: D:\GIS\AccessDB2007\Lepidoptera\GISData\Whitewater\_09.mxd



## All Lepidoptera Species Documented in 13 Minnesota State Parks - 2006-2008

Scientific Name	Family	Scientific Name	Family
<i>Abagrotis alternata</i>	Noctuidae	<i>Agrotis ypsilon</i>	Noctuidae
<i>Abagrotis brunneipennis</i>	Noctuidae	<i>Aletia oxygala</i>	Noctuidae
<i>Abagrotis cupida</i>	Noctuidae	<i>Alypia langtoni</i>	Noctuidae
<i>Abagrotis placida</i>	Noctuidae	<i>Alypia octomaculata</i>	Noctuidae
<i>Abrostola ovalis</i>	Noctuidae	<i>Amathes oblate</i>	Noctuidae
<i>Abrostola urentis</i>	Noctuidae	<i>Amathes opacifrons</i>	Noctuidae
<i>Achatodes zeae</i>	Noctuidae	<i>Amblyscirtes vialis</i>	Hesperiidae
<i>Acontia aprica</i>	Noctuidae	<i>Amolita fessa</i>	Noctuidae
<i>Acrobasis kearfottella</i>	Pyralidae	<i>Amphion nessus</i>	Sphingidae
<i>Acronicta americana</i>	Noctuidae	<i>Amphipoea americana</i>	Noctuidae
<i>Acronicta betulae</i>	Noctuidae	<i>Amphipoea velata</i>	Noctuidae
<i>Acronicta clarescens</i>	Noctuidae	<i>Amphipyra glabella</i>	Noctuidae
<i>Acronicta dactylina</i>	Noctuidae	<i>Amphipyra pyramidalis</i>	Noctuidae
<i>Acronicta exilis</i>	Noctuidae	<i>Amphipyra pyramidoides</i>	Noctuidae
<i>Acronicta fragilis</i>	Noctuidae	<i>Amphipyra tragopoginis</i>	Noctuidae
<i>Acronicta funeralis</i>	Noctuidae	<i>Anagoga occiduaria</i>	Geometridae
<i>Acronicta grisea</i>	Noctuidae	<i>Anagrapha falcifera</i>	Noctuidae
<i>Acronicta haesitata</i>	Noctuidae	<i>Anaplectoides prasina</i>	Noctuidae
<i>Acronicta hasta</i>	Noctuidae	<i>Anaplectoides pressus</i>	Noctuidae
<i>Acronicta impleta</i>	Noctuidae	<i>Anathix aggressa</i>	Noctuidae
<i>Acronicta impressa</i>	Noctuidae	<i>Anathix puta</i>	Noctuidae
<i>Acronicta innotata</i>	Noctuidae	<i>Anathix ralla</i>	Noctuidae
<i>Acronicta laetifica</i>	Noctuidae	<i>Ancyloxypha numitor</i>	Hesperiidae
<i>Acronicta lepusculina</i>	Noctuidae	<i>Anhimella contrahens</i>	Noctuidae
<i>Acronicta lobeliae</i>	Noctuidae	<i>Anicla (Euagrotis) forbesi</i>	Noctuidae
<i>Acronicta morula</i>	Noctuidae	<i>Anicla (Euagrotis) illapsa</i>	Noctuidae
<i>Acronicta oblinita</i>	Noctuidae	<i>Anisota rubicunda</i>	Saturniidae
<i>Acronicta quadrata</i>	Noctuidae	<i>Anisota senatoria</i>	Saturniidae
<i>Acronicta radcliffei</i>	Noctuidae	<i>Anisota virginensis</i>	Saturniidae
<i>Acronicta retardata</i>	Noctuidae	<i>Antepione thisoaria</i>	Geometridae
<i>Acronicta spinigera</i>	Noctuidae	<i>Anterastria teratophora</i>	Noctuidae
<i>Acronicta superans</i>	Noctuidae	<i>Anticlea multiferata</i>	Geometridae
<i>Acronicta tritona</i>	Noctuidae	<i>Apamea alia</i>	Noctuidae
<i>Acronicta vinnula</i>	Noctuidae	<i>Apamea amputatrix</i>	Noctuidae
<i>Actebia fennica</i>	Noctuidae	<i>Apamea apamiformis</i>	Noctuidae
<i>Actias luna</i>	Saturniidae	<i>Apamea cariosa</i>	Noctuidae
<i>Adita chionanthi</i>	Noctuidae	<i>Apamea cogitata</i>	Noctuidae
<i>Agrotis gladiaria</i>	Noctuidae	<i>Apamea devastator</i>	Noctuidae
<i>Agrotis ipsilon</i>	Noctuidae	<i>Apamea dubitans</i>	Noctuidae
<i>Agrotis mollis</i>	Notodontidae	<i>Apamea helva</i>	Noctuidae
<i>Agrotis venerabilis</i>	Noctuidae	<i>Apamea impulsa</i>	Noctuidae
<i>Agrotis vetusta</i>	Noctuidae	<i>Apamea lateritia</i>	Noctuidae
<i>Agrotis volubilis</i>	Noctuidae	<i>Apamea lignicolora</i>	Noctuidae

## All Lepidoptera Species Documented in 13 Minnesota State Parks - 2006-2008

Scientific Name	Family	Scientific Name	Family
<i>Apamea lutosa</i>	Noctuidae	<i>Bomolocha madefactalis</i>	Noctuidae
<i>Apamea mixta</i>	Noctuidae	<i>Bomolocha manalis</i>	Noctuidae
<i>Apamea nigrior</i>	Noctuidae	<i>Bomolocha palparia</i>	Noctuidae
<i>Apamea niveivenosa</i>	Noctuidae	<i>Bomolocha sordidula</i>	Noctuidae
<i>Apamea ophiogramma</i>	Noctuidae	<i>Brachylomia algens</i>	Noctuidae
<i>Apamea plutonia</i>	Noctuidae	<i>Cabera erythemaria</i>	Geometridae
<i>Apamea relicina</i>	Noctuidae	<i>Cabera variolaria</i>	Geometridae
<i>Apamea sordens</i>	Noctuidae	<i>Caenurgina crassiuscula</i>	Noctuidae
<i>Apamea unanimis</i>	Noctuidae	<i>Caenurgina erechtea</i>	Noctuidae
<i>Apamea verbascoides</i>	Noctuidae	<i>Callizzia amorata</i>	Epiplemidae
<i>Apamea vultuosa</i>	Noctuidae	<i>Callophrys augustinus</i>	Lycaenidae
<i>Apantesis phalerata</i>	Arctiidae	<i>Callophrys niphon</i>	Lycaenidae
<i>Apantesis vittata</i>	Arctiidae	<i>Calopistria cordata</i>	Noctuidae
<i>Apharetra dentata</i>	Noctuidae	<i>Calopistria mollissima</i>	Noctuidae
<i>Aplectoides condita</i>	Noctuidae	<i>Callosamia promethea</i>	Saturniidae
<i>Apoda biguttata</i>	Limacodidae	<i>Calpe canadensis</i>	Noctuidae
<i>Apoda y-inversum</i>	Limacodidae	<i>Campaea perlata</i>	Geometridae
<i>Archana oblonga</i>	Noctuidae	<i>Capis curvata</i>	Noctuidae
<i>Argyrostrotis anilis</i>	Noctuidae	<i>Caripeta divisata</i>	Geometridae
<i>Atrytone logan</i>	Hesperiidae	<i>Caripeta piniata</i>	Geometridae
<i>Atrytonopsis hianna</i>	Hesperiidae	<i>Carterocephalus palaemon</i>	Hesperiidae
<i>Autographa ampla</i>	Noctuidae	<i>Catabena lineolata</i>	Noctuidae
<i>Autographa bimaculata</i>	Noctuidae	<i>Catocala abbreviatella</i>	Noctuidae
<i>Autographa flagellum</i>	Noctuidae	<i>Catocala amatrix</i>	Noctuidae
<i>Autographa mappa</i>	Noctuidae	<i>Catocala amestris</i>	Noctuidae
<i>Autographa precationis</i>	Noctuidae	<i>Catocala antinympha</i>	Noctuidae
<i>Automeris io</i>	Saturniidae	<i>Catocala blandula</i>	Noctuidae
<i>Bagisara rectifascia</i>	Noctuidae	<i>Catocala briseis</i>	Noctuidae
<i>Baileya doubledayi</i>	Noctuidae	<i>Catocala cara</i>	Noctuidae
<i>Baileya ophthalmica</i>	Noctuidae	<i>Catocala cerogama</i>	Noctuidae
<i>Bandera binotella</i>	Pyralidae	<i>Catocala coccinata</i>	Noctuidae
<i>Bellura diffusa</i>	Noctuidae	<i>Catocala coelebs</i>	Noctuidae
<i>Bellura gortynoides</i>	Noctuidae	<i>Catocala concumbens</i>	Noctuidae
<i>Bellura obliqua</i>	Noctuidae	<i>Catocala connubialis</i>	Noctuidae
<i>Besma endropiaria</i>	Geometridae	<i>Catocala crataegi</i>	Noctuidae
<i>Besma quercivoraria</i>	Geometridae	<i>Catocala epione</i>	Noctuidae
<i>Biston betularia</i>	Geometridae	<i>Catocala gracilis</i>	Noctuidae
<i>Bleptina caradrinalis</i>	Noctuidae	<i>Catocala grynea</i>	Noctuidae
<i>Boloria bellona</i>	Nymphalidae	<i>Catocala habilis</i>	Noctuidae
<i>Boloria selene</i>	Nymphalidae	<i>Catocala ilia</i>	Noctuidae
<i>Bomolocha abalienalis</i>	Noctuidae	<i>Catocala judith</i>	Noctuidae
<i>Bomolocha baltimorensis</i>	Noctuidae	<i>Catocala lineela</i>	Noctuidae
<i>Bomolocha edictalis</i>	Noctuidae	<i>Catocala micronympha</i>	Noctuidae

## All Lepidoptera Species Documented in 13 Minnesota State Parks - 2006-2008

Scientific Name	Family	Scientific Name	Family
<i>Catocala neogama</i>	Noctuidae	<i>Closteria albosigma</i>	Notodontidae
<i>Catocala obscura</i>	Noctuidae	<i>Closteria apicalis</i>	Notodontidae
<i>Catocala palaeogama</i>	Noctuidae	<i>Closteria inclusa</i>	Notodontidae
<i>Catocala relicta</i>	Noctuidae	<i>Closteria strigosa</i>	Notodontidae
<i>Catocala residua</i>	Noctuidae	<i>Coenonympha tullia</i>	Nymphalidae
<i>Catocala reecta</i>	Noctuidae	<i>Coenophila opacifrons</i>	Noctuidae
<i>Catocala semirelicta</i>	Noctuidae	<i>Colias gigantea</i>	Pieridae
<i>Catocala serena</i>	Noctuidae	<i>Colias philodice</i>	Pieridae
<i>Catocala similis</i>	Noctuidae	<i>Colocasia flavidicornis</i>	Noctuidae
<i>Catocala sordida</i>	Noctuidae	<i>Condica vecors</i>	Noctuidae
<i>Catocala subnata</i>	Noctuidae	<i>Cosmia calami</i>	Noctuidae
<i>Catocala ultronia</i>	Noctuidae	<i>Crambidia casta</i>	Arctiidae
<i>Catocala unijuga</i>	Noctuidae	<i>Crambidia pallida</i>	Arctiidae
<i>Catocala vidua</i>	Noctuidae	<i>Crambodes talidiformis</i>	Noctuidae
<i>Celaena reniformis</i>	Noctuidae	<i>Crambus agitatellus</i>	Pyralidae
<i>Celastrina ladon</i>	Lycaenidae	<i>Crambus caliginosellus</i>	Pyralidae
<i>Celastrina lucia</i>	Lycaenidae	<i>Crambus leachellus</i>	Pyralidae
<i>Celastrina neglecta</i>	Lycaenidae	<i>Crambus murellus</i>	Pyralidae
<i>Celerio lineata</i>	Sphingidae	<i>Cressonia juglandis</i>	Sphingidae
<i>Cephalis armataria</i>	Geometridae	<i>Crocigrapha normani</i>	Noctuidae
<i>Ceratomia amyntor</i>	Sphingidae	<i>Cryptocala acadiensis</i>	Noctuidae
<i>Ceratomia undulosa</i>	Sphingidae	<i>Ctenucha virginica</i>	Arctiidae
<i>Cercyonis pegala</i>	Nymphalidae	<i>Cucullia asteroides</i>	Noctuidae
<i>Cerma cerintha</i>	Noctuidae	<i>Cucullia convexipennis</i>	Noctuidae
<i>Cerma cora</i>	Noctuidae	<i>Cucullia florea</i>	Noctuidae
<i>Charadra deridens</i>	Noctuidae	<i>Cyclophora packardi</i>	Geometridae
<i>Chersotis juncta</i>	Noctuidae	<i>Cyclophora pendulinaria</i>	Geometridae
<i>Chlorochlamys chloroleucaria</i>	Geometridae	<i>Cycnia inopinatus</i>	Arctiidae
<i>Chloroclysta hersiliata</i>	Geometridae	<i>Cycnia oregonensis</i>	Arctiidae
<i>Chlosyne gorgone</i>	Nymphalidae	<i>Cycnia tenera</i>	Arctiidae
<i>Chlosyne nycteis</i>	Nymphalidae	<i>Danaus plexippus</i>	Nymphalidae
<i>Choephora fungorum</i>	Noctuidae	<i>Darapsa myron</i>	Sphingidae
<i>Chortodes defecta</i>	Noctuidae	<i>Darapsa pholus</i>	Sphingidae
<i>Chortodes inquinata</i>	Noctuidae	<i>Dasychira basiflava</i>	Lymantriidae
<i>Chrysanthympha formosa</i>	Noctuidae	<i>Dasychira cinnamomea</i>	Lymantriidae
<i>Chrysoteuchia toparia</i>	Pyralidae	<i>Dasychira dorsipennata</i>	Lymantriidae
<i>Chytolita morbidalis</i>	Noctuidae	<i>Dasychira obliquata</i>	Lymantriidae
<i>Chytolita petrealis</i>	Noctuidae	<i>Dasylophia anguina</i>	Notodontidae
<i>Chytonix palliatricula</i>	Noctuidae	<i>Datana angusii</i>	Notodontidae
<i>Cingilia catenaria</i>	Geometridae	<i>Datana contracta</i>	Notodontidae
<i>Cisseps fulvicollis</i>	Arctiidae	<i>Datana ministra</i>	Notodontidae
<i>Cladara atroliturata</i>	Geometridae	<i>Datana perspicua</i>	Notodontidae
<i>Clemensia albata</i>	Arctiidae	<i>Deidamia inscripta</i>	Sphingidae

## All Lepidoptera Species Documented in 13 Minnesota State Parks - 2006-2008

Scientific Name	Family	Scientific Name	Family
<i>Desmia funeralis</i>	Pyralidae	<i>Erynnis juvenalis</i>	Hesperiidae
<i>Diachrysia aeroides</i>	Noctuidae	<i>Erynnis lucilius</i>	Hesperiidae
<i>Diachrysia balluca</i>	Noctuidae	<i>Estigmene acrea</i>	Arctiidae
<i>Diacme elealis</i>	Pyralidae	<i>Euagrotis forbesi</i>	Noctuidae
<i>Diarsia dislocata</i>	Noctuidae	<i>Eubaphe mendica</i>	Geometridae
<i>Diarsia jucunda</i>	Noctuidae	<i>Euchaetes egle</i>	Arctiidae
<i>Diarsia rosaria</i>	Noctuidae	<i>Euchaetes oregonensis</i>	Arctiidae
<i>Diarsia rubifera</i>	Noctuidae	<i>Euchlaena irraria</i>	Geometridae
<i>Dichagyris acclivis</i>	Noctuidae	<i>Euchlaena muzaria</i>	Geometridae
<i>Dichagyris grotei</i>	Noctuidae	<i>Euchloe olympia</i>	Pieridae
<i>Dichagyris reliqua</i>	Noctuidae	<i>Eucirroedia pampina</i>	Noctuidae
<i>Dichorda iridaria</i>	Geometridae	<i>Euclea delphinii</i>	Limacodidae
<i>Dolba hyloeus</i>	Sphingidae	<i>Euclidean cuspidea</i>	Noctuidae
<i>Drepana arcuata</i>	Drepanidae	<i>Eudeilinea herminiata</i>	Drepanidae
<i>Drepana bilineata</i>	Drepanidae	<i>Eudryas grata</i>	Noctuidae
<i>Dryocampa rubicunda</i>	Saturniidae	<i>Eudryas unio</i>	Noctuidae
<i>Dypterygia rozmani</i>	Noctuidae	<i>Eueretagrotis attenta</i>	Noctuidae
<i>Dysstroma citrata</i>	Geometridae	<i>Eueretagrotis perattenta</i>	Noctuidae
<i>Dysstroma suspectata</i>	Geometridae	<i>Eueretagrotis sigmaoides</i>	Noctuidae
<i>Egira dolosa</i>	Noctuidae	<i>Eufidonia convergaria</i>	Geometridae
<i>Eilema bicolor</i>	Arctiidae	<i>Eulithis diversilineata</i>	Geometridae
<i>Elaphria festivoides</i>	Noctuidae	<i>Eulithis explanata</i>	Geometridae
<i>Elaphria grata</i>	Noctuidae	<i>Eulithis flavibrunneata</i>	Geometridae
<i>Elaphria versicolor</i>	Noctuidae	<i>Eulithis propulsata</i>	Geometridae
<i>Ellida caniplaga</i>	Noctuidae	<i>Eulithis serrataria</i>	Geometridae
<i>Enargia decolor</i>	Noctuidae	<i>Eulithis testata</i>	Geometridae
<i>Enargia infumata</i>	Noctuidae	<i>Eulithis xyloina</i>	Geometridae
<i>Enargia mephisto</i>	Noctuidae	<i>Eumacaria latiferrugata</i>	Geometridae
<i>Ennomos subsignaria</i>	Geometridae	<i>Euphyes vestris metacomet</i>	Hesperiidae
<i>Enodia anthedon</i>	Nymphalidae	<i>Eupithecia palpata</i>	Geometridae
<i>Eosphoropteryx thyatyroides</i>	Noctuidae	<i>Eupithecia satyrata</i>	Geometridae
<i>Epargyreus clarus</i>	Hesperiidae	<i>Euplexia benesimilis</i>	Noctuidae
<i>Epiglaea apiata</i>	Noctuidae	<i>Eupsilia devia</i>	Noctuidae
<i>Epiglaea decliva</i>	Noctuidae	<i>Eupsilia sidus</i>	Noctuidae
<i>Epipaschia zelleri</i>	Pyralidae	<i>Eupsilia vinulenta</i>	Noctuidae
<i>Epirranthis substriataria</i>	Geometridae	<i>Eurois astricta</i>	Noctuidae
<i>Epirrhoe alternata</i>	Geometridae	<i>Eurois occulta</i>	Noctuidae
<i>Epirrita autumnata</i>	Geometridae	<i>Euthyatira pudens</i>	Thyatiridae
<i>Epirrita autumnata henshawi</i>	Geometridae	<i>Euxoa antica</i>	Noctuidae
<i>Eremobina jocasta</i>	Noctuidae	<i>Euxoa comosa</i>	Noctuidae
<i>Erinnys obscura</i>	Sphingidae	<i>Euxoa Immixta</i>	Noctuidae
<i>Erynnis baptisiae</i>	Hesperiidae	<i>Euxoa intrita</i>	Noctuidae
<i>Erynnis icelus</i>	Hesperiidae	<i>Euxoa messoria</i>	Noctuidae

## All Lepidoptera Species Documented in 13 Minnesota State Parks - 2006-2008

Scientific Name	Family	Scientific Name	Family
<i>Euxoa mimallonis</i>	Noctuidae	<i>Graphiphora augur haruspica</i>	Acrididae
<i>Euxoa obeliscoides</i>	Noctuidae	<i>Habrosyne gloriosa</i>	Thyatiridae
<i>Euxoa ochrogaster</i>	Noctuidae	<i>Habrosyne scripta</i>	Thyatiridae
<i>Euxoa ontario</i>	Noctuidae	<i>Hadena capsularis</i>	Noctuidae
<i>Euxoa perpolita</i>	Noctuidae	<i>Haematopis grataria</i>	Geometridae
<i>Euxoa scholastica</i>	Noctuidae	<i>Haploa confusa</i>	Arctiidae
<i>Euxoa servita</i>	Noctuidae	<i>Haploa lecontei</i>	Arctiidae
<i>Euxoa tessellata</i>	Noctuidae	<i>Haploa reversa</i>	Arctiidae
<i>Euxoa velleripennis</i>	Noctuidae	<i>Harrisimemna trisignata</i>	Noctuidae
<i>Everes comyntas</i>	Lycaenidae	<i>Helicoverpa zea</i>	Noctuidae
<i>Exyra fax</i>	Noctuidae	<i>Heliothis acesias</i>	Noctuidae
<i>Fagitana littera</i>	Noctuidae	<i>Heliothis zea</i>	Noctuidae
<i>Faronta diffusa</i>	Noctuidae	<i>Hemaris thysbe</i>	Sphingidae
<i>Faronta rubripennis</i>	Noctuidae	<i>Hemipachnobia monochromatea</i>	Noctuidae
<i>Feltia (Trichosilia) mollis</i>	Noctuidae	<i>Heptagrotis phyllophora</i>	Noctuidae
<i>Feltia geniculata</i>	Noctuidae	<i>Herpetogramma aeglealis</i>	Pyralidae
<i>Feltia herilis</i>	Noctuidae	<i>Hesperia sassacus</i>	Hesperiidae
<i>Feltia jaculifera</i>	Noctuidae	<i>Heterocampa biundata</i>	Notodontidae
<i>Feltia mollis</i>	Noctuidae	<i>Heterocampa manteo</i>	Notodontidae
<i>Feltia subgothica</i>	Noctuidae	<i>Heterocampa obliqua</i>	Notodontidae
<i>Feltia tricosa</i>	Noctuidae	<i>Heterocampa umbrata</i>	Notodontidae
<i>Feniseca tarquinius</i>	Lycaenidae	<i>Heterophleps triguttaria</i>	Geometridae
<i>Feralia comstocki</i>	Noctuidae	<i>Hethemia pistasciaria</i>	Geometridae
<i>Furcula borealis</i>	Notodontidae	<i>Hillia algens</i>	Noctuidae
<i>Furcula cinerea</i>	Notodontidae	<i>Hillia iris</i>	Noctuidae
<i>Furcula occidentalis</i>	Notodontidae	<i>Himella intractata</i>	Noctuidae
<i>Furcula scolopendrina</i>	Notodontidae	<i>Holomelina aurantiaca</i>	Arctiidae
<i>Galgula partita</i>	Noctuidae	<i>Holomelina ferruginosa</i>	Arctiidae
<i>Glaphyria sesquistrialis</i>	Pyralidae	<i>Holomelina laeta</i>	Arctiidae
<i>Gluphisia avimacula</i>	Notodontidae	<i>Homochlodes lactispargaria</i>	Geometridae
<i>Gluphisia lintneri</i>	Notodontidae	<i>Homohadena badistriga</i>	Noctuidae
<i>Gluphisia septentrionalis</i>	Notodontidae	<i>Homohadena infixa</i>	Noctuidae
<i>Grammia anna</i>	Arctiidae	<i>Homophoberia apicosa</i>	Noctuidae
<i>Grammia arge</i>	Arctiidae	<i>Homorthodes furfurata</i>	Noctuidae
<i>Grammia celia</i>	Arctiidae	<i>Horisme intestinata</i>	Geometridae
<i>Grammia figurata</i>	Arctiidae	<i>Hyalophora columbia</i>	Saturniidae
<i>Grammia parthenice</i>	Arctiidae	<i>Hydraecia immanis</i>	Noctuidae
<i>Grammia phyllira</i>	Arctiidae	<i>Hydraecia stramentosa</i>	Noctuidae
<i>Grammia speciosa</i>	Arctiidae	<i>Hydrelia condensata</i>	Geometridae
<i>Grammia virgo</i>	Arctiidae	<i>Hydria prunivorata</i>	Geometridae
<i>Grammia virguncula</i>	Arctiidae	<i>Hydriomena divisaria</i>	Geometridae
<i>Grammia williamsii</i>	Arctiidae	<i>Hydriomena furcata</i>	Geometridae
<i>Graphiphora augur</i>	Arctiidae	<i>Hydriomena renunciata</i>	Geometridae

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Scientific Name	Family	Scientific Name	Family
<i>Hyles lineata</i>	Sphingidae	<i>Lethe anthedon</i>	Lycaenidae
<i>Hypagyrtis piniata</i>	Geometridae	<i>Leucania commoides</i>	Noctuidae
<i>Hypagyrtis unipunctata</i>	Geometridae	<i>Leucania inermis</i>	Noctuidae
<i>Hypena humuli</i>	Noctuidae	<i>Leucania insueta</i>	Noctuidae
<i>Hypenodes caducus</i>	Noctuidae	<i>Leucania lapidaria</i>	Noctuidae
<i>Hypenodes fractilinea</i>	Noctuidae	<i>Leucania linda</i>	Noctuidae
<i>Hyperaeschra georgica</i>	Notodontidae	<i>Leucania linita</i>	Noctuidae
<i>Hypercompe scribonia</i>	Arctiidae	<i>Leucania multilinea</i>	Noctuidae
<i>Hyphantria cunea</i>	Arctiidae	<i>Leucania phragmatidicola</i>	Noctuidae
<i>Hypoprepia fucosa</i>	Arctiidae	<i>Leucania pseudargyria</i>	Noctuidae
<i>Hypoprepia miniata</i>	Arctiidae	<i>Leucania ursula</i>	Noctuidae
<i>Hyppa xylinoides</i>	Noctuidae	<i>Leuconycta diphteroides</i>	Noctuidae
<i>Idia aemula</i>	Noctuidae	<i>Leuconycta lepidula</i>	Noctuidae
<i>Idia americalis</i>	Noctuidae	<i>Limenitis archippus</i>	Nymphalidae
<i>Idia diminuendis</i>	Noctuidae	<i>Limenitis arthemis</i>	Nymphalidae
<i>Idia lubricalis</i>	Noctuidae	<i>Lithacodes fasciola</i>	Limacodidae
<i>Idia rotundalis</i>	Noctuidae	<i>Lithacodia albidula</i>	Noctuidae
<i>Ipmorpha pleonectusa</i>	Noctuidae	<i>Lithacodia bellicula</i>	Noctuidae
<i>Iridopsis larvaria</i>	Geometridae	<i>Lithacodia muscosa</i>	Noctuidae
<i>Isia isabella</i>	Arctiidae	<i>Lithacodia musta</i>	Noctuidae
<i>Itame bitactata</i>	Geometridae	<i>Lithacodia synochitis</i>	Noctuidae
<i>Itame julia</i>	Geometridae	<i>Litholomia napaea</i>	Noctuidae
<i>Itame occiduaria</i>	Geometridae	<i>Lithomoia germana</i>	Noctuidae
<i>Itame pustularia</i>	Geometridae	<i>Lithophane antennata</i>	Noctuidae
<i>Itame ribearia</i>	Geometridae	<i>Lithophane baileyi</i>	Noctuidae
<i>Itame subcessaria</i>	Geometridae	<i>Lithophane fagina</i>	Noctuidae
<i>Junonia coenia</i>	Nymphalidae	<i>Lithophane grotei</i>	Noctuidae
<i>Lacanobia atlantica</i>	Noctuidae	<i>Lithophane innominata</i>	Noctuidae
<i>Lacanobia grandis</i>	Noctuidae	<i>Lithophane petulca</i>	Noctuidae
<i>Lacanobia radix</i>	Noctuidae	<i>Lithophane pexata</i>	Noctuidae
<i>Lacanobia subjuncta</i>	Noctuidae	<i>Lithophane thaxteri</i>	Noctuidae
<i>Lacinipolia anguina</i>	Noctuidae	<i>Lobophora nivigerata</i>	Geometridae
<i>Lacinipolia implicata</i>	Noctuidae	<i>Lomanaltes eductalis</i>	Noctuidae
<i>Lacinipolia lorea</i>	Noctuidae	<i>Lophocampa maculata</i>	Arctiidae
<i>Lacinipolia lustralis</i>	Noctuidae	<i>Loxostege sticticalis</i>	Pyralidae
<i>Lacinipolia meditata</i>	Noctuidae	<i>Luperina passer</i>	Noctuidae
<i>Lacinipolia olivacea</i>	Noctuidae	<i>Lycaena epixanthe</i>	Lycaenidae
<i>Lacinipolia renigera</i>	Noctuidae	<i>Lycaena phlaeas</i>	Lycaenidae
<i>Lambdina fervidaria</i>	Geometridae	<i>Lycophotia phyllophora</i>	Noctuidae
<i>Lambdina fiscellaria</i>	Geometridae	<i>Lymantria dispar</i>	Lymantriidae
<i>Lateroligia ophiogramma</i>	Noctuidae	<i>Macaria eremiata</i>	Geometridae
<i>Ledaea perditalis</i>	Noctuidae	<i>Macaria orillata</i>	Geometridae
<i>Lemmeria digitalis</i>	Noctuidae	<i>Macaria signaria</i>	Geometridae

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Scientific Name	Family	Scientific Name	Family
<i>Machrochilo orciferalis</i>	Noctuidae	<i>Nepytiacanosaria</i>	Geometridae
<i>Macrochilo absorptalis</i>	Noctuidae	<i>Nericebidentata</i>	Notodontidae
<i>Macrochilo bivittata</i>	Noctuidae	<i>Noctuaprincipis</i>	Noctuidae
<i>Macrochilo hypocriticalis</i>	Noctuidae	<i>Notodonta scitipennis</i>	Notodontidae
<i>Macrochilo litophora</i>	Noctuidae	<i>Notodonta simplaria</i>	Notodontidae
<i>Macrochilo louisiana</i>	Noctuidae	<i>Nymphalisantiopa</i>	Nymphalidae
<i>Macrochilo orciferalis</i>	Noctuidae	<i>Nymphalisvau-album</i>	Nymphalidae
<i>Macronoctua onusta</i>	Noctuidae	<i>Ochropleura implecta</i>	Noctuidae
<i>Macrurocampa marthesia</i>	Notodontidae	<i>Ochropleura plecta</i>	Noctuidae
<i>Magusa orbifera</i>	Noctuidae	<i>Odontosia elegans</i>	Notodontidae
<i>Malacosoma americana</i>	Lasiocampidae	<i>Oeneisjutta</i>	Nymphalidae
<i>Malacosoma disstria</i>	Lasiocampidae	<i>Ogdocontacinereola</i>	Noctuidae
<i>Maliattha concinnimacula</i>	Noctuidae	<i>Oligiachlorostigma</i>	Noctuidae
<i>Manduca jasminearum</i>	Sphingidae	<i>Oligiafractilinea</i>	Noctuidae
<i>Manduca sexta</i>	Sphingidae	<i>Oligialilocata</i>	Noctuidae
<i>Megalographa biloba</i>	Noctuidae	<i>Oligiamactata</i>	Noctuidae
<i>Meganola minuscula</i>	Noctuidae	<i>Oligiaminuscula</i>	Noctuidae
<i>Megisto cymela</i>	Nymphalidae	<i>Oligiamodica</i>	Noctuidae
<i>Melanchra adjuncta</i>	Noctuidae	<i>Oligiasemicana</i>	Noctuidae
<i>Melanchra assimilis</i>	Noctuidae	<i>Oligocentriaglaucoptera</i>	Notodontidae
<i>Melanchra picta</i>	Noctuidae	<i>Oligocentriasmirufescens</i>	Notodontidae
<i>Melanchra pulverulenta</i>	Noctuidae	<i>Oreta rosea</i>	Drepanidae
<i>Melanolophia signataria</i>	Geometridae	<i>Orgyia definita</i>	Lymantriidae
<i>Meropleon ambifusca</i>	Noctuidae	<i>Orgyialeucostigma</i>	Lymantriidae
<i>Metalectra discalis</i>	Noctuidae	<i>Orthodescynica</i>	Noctuidae
<i>Metalectra quadrisignata</i>	Noctuidae	<i>Orthodesgoodelli</i>	Noctuidae
<i>Metalepsis fishii</i>	Noctuidae	<i>Orthonama centrostrigaria</i>	Geometridae
<i>Metalepsis salicarum</i>	Noctuidae	<i>Orthonamaobstipata</i>	Geometridae
<i>Metanema determinata</i>	Geometridae	<i>Orthosiahibisci</i>	Noctuidae
<i>Metanema inatomaria</i>	Geometridae	<i>Orthosiarubescens</i>	Noctuidae
<i>Metarranthis duaria</i>	Geometridae	<i>Ostrinia nubilalis</i>	Pyralidae
<i>Metarranthis hypochraria</i>	Geometridae	<i>Ostriniapenitalis</i>	Pyralidae
<i>Metarranthis indeclinata</i>	Geometridae	<i>Pachypolia atricornis</i>	Noctuidae
<i>Morrisonia evicta</i>	Noctuidae	<i>Pachysphinxmodesta</i>	Sphingidae
<i>Morrisonia latex</i>	Noctuidae	<i>Packardia geminata</i>	Limacodidae
<i>Mythimna oxygala</i>	Noctuidae	<i>Palthisangulalis</i>	Noctuidae
<i>Mythimna unipuncta</i>	Arctiidae	<i>Pangraptadecoralis</i>	Noctuidae
<i>Nacophora quernaria</i>	Geometridae	<i>Panopodacarneicosta</i>	Noctuidae
<i>Nadata gibbosa</i>	Notodontidae	<i>Panopodarufimargo</i>	Noctuidae
<i>Natada nasoni</i>	Limacodidae	<i>Pantheaacronyctoides</i>	Noctuidae
<i>Nedra ramosula</i>	Noctuidae	<i>Pantheafurcilla</i>	Noctuidae
<i>Nematocampa limbata</i>	Geometridae	<i>Pantheapallescents</i>	Noctuidae
<i>Nephelodes minians</i>	Noctuidae	<i>Pantographalimata</i>	Pyralidae

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Scientific Name	Family	Scientific Name	Family
<i>Paonias excaecatus</i>	Sphingidae	<i>Phyciodes tharos</i>	Nymphalidae
<i>Paonias myops</i>	Sphingidae	<i>Phyllodesma americana</i>	Lasiocampidae
<i>Papaipema arctivorens</i>	Noctuidae	<i>Pieris rapae</i>	Pieridae
<i>Papaipema baptisiae</i>	Noctuidae	<i>Plagiomimicus pityochromus</i>	Noctuidae
<i>Papaipema eupatorii</i>	Noctuidae	<i>Plagodis fervidaria</i>	Geometridae
<i>Papaipema harrisii</i>	Noctuidae	<i>Plagodis kuetzingi</i>	Geometridae
<i>Papaipema impecuniosa</i>	Noctuidae	<i>Plagodis serinaria</i>	Geometridae
<i>Papaipema inquaesita</i>	Noctuidae	<i>Platarctia parthenos</i>	Arctiidae
<i>Papaipema leucostigma</i>	Noctuidae	<i>Plathypena scabra</i>	Noctuidae
<i>Papaipema nebris</i>	Noctuidae	<i>Platyperigea meralis</i>	Noctuidae
<i>Papaipema nelita</i>	Noctuidae	<i>Platyperigea multifera</i>	Noctuidae
<i>Papaipema nepheleptena</i>	Noctuidae	<i>Platypolia anceps</i>	Noctuidae
<i>Papaipema sciata</i>	Noctuidae	<i>Pleuroprucha insulsaria</i>	Geometridae
<i>Papaipema unimoda</i>	Noctuidae	<i>Plusia aerea</i>	Noctuidae
<i>Papilio canadensis</i>	Papilionidae	<i>Plusia contexta</i>	Noctuidae
<i>Papilio cresphontes</i>	Papilionidae	<i>Plusia putnami</i>	Noctuidae
<i>Papilio polyxenes</i>	Papilionidae	<i>Plusia venusta</i>	Noctuidae
<i>Paradiarsia littoralis</i>	Noctuidae	<i>Poanes hobomok</i>	Hesperiidae
<i>Paraponyx badiusalis</i>	Pyralidae	<i>Polia distracta</i>	Noctuidae
<i>Paraponyx maculalis</i>	Pyralidae	<i>Polia goodelli</i>	Noctuidae
<i>Peoria floridella</i>	Crambidae	<i>Polia imbrifera</i>	Noctuidae
<i>Peridea angulosa</i>	Notodontidae	<i>Polia nimbosa</i>	Noctuidae
<i>Peridea basitriens</i>	Notodontidae	<i>Polia purpurissata</i>	Noctuidae
<i>Peridea ferruginea</i>	Notodontidae	<i>Polites coras</i>	Hesperiidae
<i>Peridroma saucia</i>	Noctuidae	<i>Polites mystic</i>	Hesperiidae
<i>Perigea xanthioides</i>	Noctuidae	<i>Polites origenes</i>	Hesperiidae
<i>Perizoma basaliata</i>	Geometridae	<i>Polites themistocles</i>	Hesperiidae
<i>Pero honestaria</i>	Geometridae	<i>Polygonia comma</i>	Nymphalidae
<i>Pero morrisonaria</i>	Geometridae	<i>Polygonia faunus</i>	Nymphalidae
<i>Petrophora subaequaria</i>	Geometridae	<i>Polygonia interrogationis</i>	Nymphalidae
<i>Phalaenophana pyramusalis</i>	Noctuidae	<i>Polygonia progne</i>	Nymphalidae
<i>Phalaenostola eumelusalis</i>	Noctuidae	<i>Polygrammate hebraicum</i>	Noctuidae
<i>Phalaenostola hanhami</i>	Noctuidae	<i>Probole alienaria</i>	Geometridae
<i>Phalaenostola larentioides</i>	Noctuidae	<i>Probole amicaria</i>	Geometridae
<i>Phalaenostola metonalis</i>	Noctuidae	<i>Prochoerodes transversata</i>	Geometridae
<i>Pheosia rimosa</i>	Notodontidae	<i>Prolimacodes badia</i>	Limacodidae
<i>Phlogophora iris</i>	Noctuidae	<i>Protolampra brunneicollis</i>	Noctuidae
<i>Phlogophora periculosa</i>	Noctuidae	<i>Protolampra rufipectus</i>	Noctuidae
<i>Phosphila miselioides</i>	Noctuidae	<i>Protorthodes oviduca</i>	Noctuidae
<i>Phragmatobia assimilans</i>	Arctiidae	<i>Proxenus miranda</i>	Noctuidae
<i>Phragmatobia fuliginosa</i>	Arctiidae	<i>Pseudaletia unipuncta</i>	Noctuidae
<i>Phyciodes batesii</i>	Nymphalidae	<i>Pseudeva purpurigera</i>	Noctuidae
<i>Phyciodes selenis</i>	Nymphalidae	<i>Pseudohermonassa bicarnea</i>	Noctuidae

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Scientific Name	Family	Scientific Name	Family
<i>Pseudohermonassa tenuicula</i>	Noctuidae	<i>Semiothisa oweni</i>	Geometridae
<i>Pseudorthodes vecors</i>	Noctuidae	<i>Semiothisa sexmaculata</i>	Geometridae
<i>Pseudothordes vecors</i>	Noctuidae	<i>Semiothisa ulsterata</i>	Geometridae
<i>Pseudothyatira cymatophoroides</i>	Thyatiridae	<i>Sericaglaea sericea</i>	Geometridae
<i>Pyrausta signatalis</i>	Pyralidae	<i>Sicya macularia</i>	Geometridae
<i>Pyreferra citromba</i>	Noctuidae	<i>Sideridis maryx</i>	Noctuidae
<i>Pyreferra pettiti</i>	Noctuidae	<i>Sideridis rosea</i>	Noctuidae
<i>Pyrrharctia isabella</i>	Arctiidae	<i>Simyra henrici</i>	Noctuidae
<i>Pyrrhia umbra</i>	Noctuidae	<i>Smerinthus cerisyi</i>	Sphingidae
<i>Rachiplusia ou</i>	Noctuidae	<i>Smerinthus geminatus</i>	Saturniidae
<i>Raphia frater</i>	Noctuidae	<i>Smerinthus jamaicensis</i>	Sphingidae
<i>Renia discoloralis</i>	Noctuidae	<i>Spaelotis clandestina</i>	Noctuidae
<i>Renia flavidipunctalis</i>	Noctuidae	<i>Spargaloma sexpunctata</i>	Noctuidae
<i>Resapamea passer</i>	Noctuidae	<i>Spartiniphaga inops</i>	Noctuidae
<i>Resapamea stipata</i>	Noctuidae	<i>Spartiniphaga panatella</i>	Noctuidae
<i>Rheumaptera hastata</i>	Geometridae	<i>Speyeria aphrodite</i>	Nymphalidae
<i>Rheumaptera undulata</i>	Geometridae	<i>Speyeria atlantis</i>	Nymphalidae
<i>Rivula propinqualis</i>	Noctuidae	<i>Speyeria cybele</i>	Nymphalidae
<i>Satyrium edwardsii</i>	Lycaenidae	<i>Speyeria cybele krautwurmi</i>	Nymphalidae
<i>Satyrium falacer</i>	Lycaenidae	<i>Speyeria idalia</i>	Nymphalidae
<i>Satyrium titus</i>	Lycaenidae	<i>Sphinx canadensis</i>	Sphingidae
<i>Satyrodes eurydice</i>	Nymphalidae	<i>Sphinx kalmiae</i>	Sphingidae
<i>Schinia arcigera</i>	Noctuidae	<i>Sphinx poecila</i>	Sphingidae
<i>Schinia florida</i>	Noctuidae	<i>Spilosoma congrua</i>	Arctiidae
<i>Schinia lucens</i>	Noctuidae	<i>Spilosoma virginica</i>	Arctiidae
<i>Schinia lynx</i>	Noctuidae	<i>Spiramater lutra</i>	Arctiidae
<i>Schinia nundina</i>	Noctuidae	<i>Spodoptera exigua</i>	Noctuidae
<i>Schinia oleagina</i>	Noctuidae	<i>Spodoptera frugiperda</i>	Noctuidae
<i>Schinia rivulosa</i>	Noctuidae	<i>Spragueia leo</i>	Noctuidae
<i>Schinia septentrionalis</i>	Noctuidae	<i>Striacosta albicosta</i>	Noctuidae
<i>Schinia trifascia</i>	Noctuidae	<i>Strymon melinus</i>	Lycaenidae
<i>Schizura ipomoeae</i>	Notodontidae	<i>Sunira bicolorago</i>	Noctuidae
<i>Schizura leptinoides</i>	Notodontidae	<i>Sutyna privata</i>	Noctuidae
<i>Schizura unicornis</i>	Notodontidae	<i>Symmerista albifrons</i>	Notodontidae
<i>Scoliopteryx libatrix</i>	Noctuidae	<i>Synanthedon exitiosa</i>	Sesiidae
<i>Scopula ancillata</i>	Geometridae	<i>Syngrapha alias</i>	Noctuidae
<i>Scopula inductata</i>	Geometridae	<i>Syngrapha altera</i>	Noctuidae
<i>Scopula limboundata</i>	Geometridae	<i>Syngrapha microgamma</i>	Noctuidae
<i>Selenia alciphearia</i>	Geometridae	<i>Syngrapha octoscripta</i>	Noctuidae
<i>Semiothisa continuata</i>	Geometridae	<i>Syngrapha rectangula</i>	Noctuidae
<i>Semiothisa eremiata</i>	Geometridae	<i>Syngrapha selecta</i>	Noctuidae
<i>Semiothisa multilineata</i>	Geometridae	<i>Tacparia atropunctata</i>	Geometridae
<i>Semiothisa orillata</i>	Geometridae	<i>Tacparia detersata</i>	Geometridae

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Scientific Name	Family	Scientific Name	Family
<i>Tampa dimediatella</i>	Pyralidae	<i>Xestia normaniana</i>	Noctuidae
<i>Tarachidia binocula</i>	Noctuidae	<i>Xestia oblata</i>	Noctuidae
<i>Tarachidia candefacta</i>	Noctuidae	<i>Xestia praevia</i>	Noctuidae
<i>Tarachidia erastrioides</i>	Noctuidae	<i>Xestia smithii</i>	Noctuidae
<i>Tathorhynchus exsiccatus</i>	Noctuidae	<i>Xestia youngii</i>	Noctuidae
<i>Telea polyphemus</i>	Saturniidae	<i>Xubida panalope</i>	Pyralidae
<i>Tetanolita floridana</i>	Noctuidae	<i>Xylena curvimacula</i>	Noctuidae
<i>Tetricis cachexiata</i>	Geometridae	<i>Xylomoia chagnoni</i>	Noctuidae
<i>Tetricis crocallata</i>	Geometridae	<i>Zale galbanata</i>	Noctuidae
<i>Thaumatopsis pexella</i>	Pyralidae	<i>Zale horrida</i>	Noctuidae
<i>Thorybes pylades</i>	Hesperiidae	<i>Zale lunata</i>	Noctuidae
<i>Thymelicus lineola</i>	Hesperiidae	<i>Zale minerea</i>	Noctuidae
<i>Tolype laricis</i>	Lasiocampidae	<i>Zale submediana</i>	Noctuidae
<i>Tolype vellada</i>	Lasiocampidae	<i>Zale undularis</i>	Noctuidae
<i>Tortricidia flexuosa</i>	Limacodidae	<i>Zanclognatha cruralis</i>	Noctuidae
<i>Tortricidia pallida</i>	Limacodidae	<i>Zanclognatha decepticalis</i>	Noctuidae
<i>Tortricidia testacea</i>	Limacodidae	<i>Zanclognatha jacchusalis</i>	Noctuidae
<i>Trachea delicata</i>	Noctuidae	<i>Zanclognatha laevigata</i>	Noctuidae
<i>Trichodezia albovittata</i>	Geometridae	<i>Zanclognatha lituralis</i>	Noctuidae
<i>Tricholita notata</i>	Noctuidae	<i>Zanclognatha martha</i>	Noctuidae
<i>Tricholita signata</i>	Noctuidae	<i>Zanclognatha ochreipennis</i>	Noctuidae
<i>Trichoplusia ni</i>	Noctuidae	<i>Zanclognatha protumnusalis</i>	Noctuidae
<i>Trichordestra legitima</i>	Noctuidae	<i>Zanclognatha theralis</i>	Noctuidae
<i>Triphosa haesitata affirmaria</i>	Geometridae		
<i>Ufeus satyrinus</i>	Noctuidae		
<i>Ulolonche culea</i>	Noctuidae		
<i>Ulolonche modesta</i>	Noctuidae		
<i>Urola nivalis</i>	Pyralidae		
<i>Vanessa atalanta</i>	Nymphalidae		
<i>Vanessa cardui</i>	Nymphalidae		
<i>Vanessa virginensis</i>	Nymphalidae		
<i>Venusia cambrica</i>	Geometridae		
<i>Venusia comptaria</i>	Geometridae		
<i>Wallengrenia egeremet</i>	Hesperiidae		
<i>Xanthia togata</i>	Noctuidae		
<i>Xanthorhoe ferrugata</i>	Geometridae		
<i>Xanthorhoe lacustrata</i>	Geometridae		
<i>Xanthorhoe munitata</i>	Geometridae		
<i>Xanthotype sospeta</i>	Geometridae		
<i>Xanthotype urticaria</i>	Geometridae		
<i>Xestia badicollis</i>	Noctuidae		
<i>Xestia c-nigrum</i>	Noctuidae		
<i>Xestia dolosa</i>	Noctuidae		

# 2006-2008 Lepidoptera by Minnesota State Park

<b>Beaver Creek Valley</b>	<i>Catocala epione</i>	<i>Habrosyne gloriosa</i>	<i>Oligia fractilinea</i>
208	<i>Catocala ilia</i>	<i>Haematopis grataria</i>	<i>Oligia mactata</i>
<i>Abagrotis alternata</i>	<i>Catocala judith</i>	<i>Haploa lecontei</i>	<i>Oligia modica</i>
<i>Abrostola ovalis</i>	<i>Catocala micronympha</i>	<i>Harrisimemna trisignata</i>	<i>Oligocentria lignicolor</i>
<i>Abrostola urentis</i>	<i>Catocala ultronia</i>	<i>Helicoverpa zea</i>	<i>Oligocentria semirufescens</i>
<i>Acronicta americana</i>	<i>Celaena reniformis</i>	<i>Hemaris thysbe</i>	<i>Orgyia leucostigma</i>
<i>Acronicta clarescens</i>	<i>Cephalis armataria</i>	<i>Herpetogramma aeglealis</i>	<i>Orthodes cynica</i>
<i>Acronicta haesitata</i>	<i>Ceratomia amyntor</i>	<i>Heterocampa umbrata</i>	<i>Orthonama centrostrigaria</i>
<i>Acronicta hasta</i>	<i>Ceratomia undulosa</i>	<i>Holomelina aurantiaca</i>	<i>Orthonama obstipata</i>
<i>Acronicta morula</i>	<i>Cerma cerintha</i>	<i>Homohadena badistriga</i>	<i>Ostrinia nubilalis</i>
<i>Acronicta oblinita</i>	<i>Chlorochlamys chloroleucari</i>	<i>Hydraecia stramentosa</i>	<i>Panopoda rufimargo</i>
<i>Acronicta spinigera</i>	<i>Choephora fungorum</i>	<i>Hypena humuli</i>	<i>Pantographa limata</i>
<i>Adita chionanthi</i>	<i>Chrysoteuchia toparia</i>	<i>Hyphantria cunea</i>	<i>Paonias excaecatus</i>
<i>Agrotis ipsilon</i>	<i>Chytonix palliatricula</i>	<i>Hypoprepia fucosa</i>	<i>Papaipema arctivorens</i>
<i>Alypia octomaculata</i>	<i>Cisseps fulvicollis</i>	<i>Hypoprepia miniata</i>	<i>Papaipema baptisiae</i>
<i>Amphipoea americana</i>	<i>Clemensia albata</i>	<i>Idia aemula</i>	<i>Papaipema harrisii</i>
<i>Amphipoea velata</i>	<i>Condica vecors</i>	<i>Idia americalis</i>	<i>Papaipema leucostigma</i>
<i>Amphyra pyramidoides</i>	<i>Cosmia calami</i>	<i>Ipimorpha pleonectusa</i>	<i>Papaipema nelita</i>
<i>Amphyra tragopoginis</i>	<i>Crambodes talidiformis</i>	<i>Isia isabella</i>	<i>Papilio cresphontes</i>
<i>Anagoga occiduaria</i>	<i>Crambus agitatellus</i>	<i>Itame ribearia</i>	<i>Peridroma saucia</i>
<i>Anagrapha falcifera</i>	<i>Cressonia juglandis</i>	<i>Itame subcessaria</i>	<i>Perigea xanthiodes</i>
<i>Anicla (Euagrotis) illapsa</i>	<i>Cucullia asteroides</i>	<i>Lacinipolia implicata</i>	<i>Pero honestaria</i>
<i>Anisota rubicunda</i>	<i>Dasychira cinnamomea</i>	<i>Lacinipolia meditata</i>	<i>Phlogophora periculosa</i>
<i>Anisota senatoria</i>	<i>Datana angusii</i>	<i>Lacinipolia renigera</i>	<i>Phosphila miselioides</i>
<i>Antepione thisoaria</i>	<i>Datana perspicua</i>	<i>Lambdina fervidaria</i>	<i>Plagodis fervidaria</i>
<i>Apamea amputatrix</i>	<i>Desmia funeralis</i>	<i>Leucania commoides</i>	<i>Plathypena scabra</i>
<i>Apamea devastator</i>	<i>Dichagyris acclivis</i>	<i>Leucania lapidaria</i>	<i>Plusia contexta</i>
<i>Apamea dubitans</i>	<i>Dichorda iridaria</i>	<i>Leucania linda</i>	<i>Polygrammate hebraicum</i>
<i>Apamea helva</i>	<i>Drepana arcuata</i>	<i>Leucania pseudargyria</i>	<i>Probole amicaria</i>
<i>Apamea lignicolora</i>	<i>Ellida caniplaga</i>	<i>Leuconycta diphteroides</i>	<i>Protolampra brunneicollis</i>
<i>Apamea unanimis</i>	<i>Eremobina jocasta</i>	<i>Lithacodia albidula</i>	<i>Protorthodes oviduca</i>
<i>Apoda biguttata</i>	<i>Erynnis baptisiae</i>	<i>Lycophotia phyllophora</i>	<i>Proxenus miranda</i>
<i>Apoda y-inversum</i>	<i>Euchaetes egle</i>	<i>Macrochilo hypocritalis</i>	<i>Pseudehohermonassa bicarnea</i>
<i>Autographa precationis</i>	<i>Eucirroedia pampina</i>	<i>Macrochilo orciferalis</i>	<i>Pseudehohermonassa tenuicula</i>
<i>Automeris io</i>	<i>Euclea delphinii</i>	<i>Macrurocampa marthesia</i>	<i>Pseudorthodes vecors</i>
<i>Bagisara rectifascia</i>	<i>Eudryas unio</i>	<i>Manduca sexta</i>	<i>Rachiplusia ou</i>
<i>Biston betularia</i>	<i>Eulithis diversilineata</i>	<i>Megalographa biloba</i>	<i>Raphia frater</i>
<i>Bomolocha abalienalis</i>	<i>Euplexia benesimilis</i>	<i>Melanchra pulverulenta</i>	<i>Renia discoloralis</i>
<i>Bomolocha edictalis</i>	<i>Euxoa Immixta</i>	<i>Meropleon ambifusca</i>	<i>Renia flavipunctalis</i>
<i>Bomolocha palparia</i>	<i>Euxoa obeliscoides</i>	<i>Metanema inatomaria</i>	<i>Rheumaptera hastata</i>
<i>Caenurgina crassiuscula</i>	<i>Euxoa tessellata</i>	<i>Metarranthis hypochraria</i>	<i>Satyrium edwardsii</i>
<i>Callopistria cordata</i>	<i>Euxoa velleripennis</i>	<i>Mythimna oxygala</i>	<i>Satyrium titus</i>
<i>Callopistria mollissima</i>	<i>Faronta diffusa</i>	<i>Mythimna unipuncta</i>	<i>Schinia arcigera</i>
<i>Callosamia promethea</i>	<i>Feltia geniculata</i>	<i>Nadata gibbosa</i>	<i>Schinia lynx</i>
<i>Campaea perlata</i>	<i>Feltia herilis</i>	<i>Natada nasoni</i>	<i>Schinia rivulosa</i>
<i>Catocala abbreviatella</i>	<i>Feltia jaculifera</i>	<i>Nephelodes minians</i>	<i>Schinia trifascia</i>
<i>Catocala amatrix</i>	<i>Galgula partita</i>	<i>Noctua pronuba</i>	<i>Scopula inductata</i>
<i>Catocala amestris</i>	<i>Glaphisia septentrionalis</i>	<i>Ochropleura implecta</i>	<i>Smerinthus jamaicensis</i>
<i>Catocala cara</i>	<i>Grammia virgo</i>	<i>Odontosia elegans</i>	<i>Spaelotis clandestina</i>
<i>Catocala concumbens</i>	<i>Graphiphora augur haruspic</i>	<i>Ogdoconta cinereola</i>	<i>Spiramater lutra</i>

<i>Spodoptera frugiperda</i>	<i>Diasria rubifera</i>	<i>Nematocampa limbata</i>	<i>Abagrotis alternata</i>
<i>Tortricidia testacea</i>	<i>Drepana arcuata</i>	<i>Noctua pronuba</i>	<i>Abrostola urentis</i>
<i>Trichodezia albovittata</i>	<i>Eilema bicolor</i>	<i>Notodontidae scitipennis</i>	<i>Acronicta americana</i>
<i>Tricholita signata</i>	<i>Enargia decolor</i>	<i>Ochropleura plecta</i>	<i>Acronicta clarescens</i>
<i>Trichordestra legitima</i>	<i>Enargia infumata</i>	<i>Oligocentria semirufescens</i>	<i>Acronicta haesitata</i>
<i>Xestia dolosa</i>	<i>Epirlita autumnata</i>	<i>Orgyia definita</i>	<i>Acronicta hasta</i>
<i>Xestia normaniana</i>	<i>Epirlita autumnata henshawi</i>	<i>Orthonama centrostrigaria</i>	<i>Acronicta morula</i>
<i>Zale galbanata</i>	<i>Eueretagrotis attenta</i>	<i>Orthosia hibisci</i>	<i>Acronicta spinigera</i>
<i>Zale minerea</i>	<i>Eulithis explanata</i>	<i>Palthis angulalis</i>	<i>Adita chionanthi</i>
<i>Zanclognatha laevigata</i>	<i>Eulithis propulsata</i>	<i>Papaipema arctivorens</i>	<i>Agrotis ipsilon</i>
<b>Cascade River</b>	<i>Eulithis testata</i>	<i>Papaipema eupatorii</i>	<i>Alypia octomaculata</i>
<b>145</b>	<i>Eurois astricta</i>	<i>Papaipema unimoda</i>	<i>Amphipoea velata</i>
<i>Abagrotis alternata</i>	<i>Eurois occulta</i>	<i>Paradiarsia littoralis</i>	<i>Amphipyra pyramidoides</i>
<i>Abagrotis brunneipennis</i>	<i>Feltia herilis</i>	<i>Peridea ferruginea</i>	<i>Amphipyra tragopoginis</i>
<i>Abagrotis cupida</i>	<i>Feltia jaculifera</i>	<i>Phalaenostola metonalis</i>	<i>Anagrapha falcifera</i>
<i>Abagrotis placida</i>	<i>Feltia mollis</i>	<i>Phlogophora periculosa</i>	<i>Anaplectoides prasina</i>
<i>Achatodes zae</i>	<i>Feltia subgothica</i>	<i>Phragmatobia fuliginosa</i>	<i>Anisota rubicunda</i>
<i>Acronicta dactylina</i>	<i>Feltia tricosa</i>	<i>Platactia parthenos</i>	<i>Anterastria teratophora</i>
<i>Acronicta fragilis</i>	<i>Gluphisia septentrionalis</i>	<i>Plusia putnami</i>	<i>Anticlea multiferata</i>
<i>Acronicta innotata</i>	<i>Grammia parthenice</i>	<i>Polia imbrifera</i>	<i>Apamea amputatrix</i>
<i>Agrotis venerabilis</i>	<i>Grammia virgo</i>	<i>Polia nimbosa</i>	<i>Apamea devastator</i>
<i>Amphipoea velata</i>	<i>Graphiphora augur</i>	<i>Polia purpurissata</i>	<i>Apamea dubitans</i>
<i>Anaplectoides prasina</i>	<i>Habrosyne scripta</i>	<i>Protolampra rufippectus</i>	<i>Apamea helva</i>
<i>Anaplectoides pressus</i>	<i>Haploa confusa</i>	<i>Proxenus miranda</i>	<i>Apamea lignicolora</i>
<i>Anathix puta</i>	<i>Haploa reversa</i>	<i>Pseudeva purpurigera</i>	<i>Apamea unanimis</i>
<i>Apamea devastator</i>	<i>Holomelina ferruginosa</i>	<i>Pseudohermenassa bicarnea</i>	<i>Apoda biguttata</i>
<i>Apamea dubitans</i>	<i>Holomelina laeta</i>	<i>Pseudohermenassa tenuicula</i>	<i>Apoda y-inversum</i>
<i>Apamea lateritia</i>	<i>Homorthodes furfurata</i>	<i>Renia discoloralis</i>	<i>Archana oblonga</i>
<i>Apharetra dentata</i>	<i>Hydria prunivora</i>	<i>Schizura leptinoides</i>	<i>Autographa precatonis</i>
<i>Aplectoides condita</i>	<i>Hydriomena divisaria</i>	<i>Scopula ancellata</i>	<i>Automeris io</i>
<i>Autographa precatonis</i>	<i>Hydriomena furcata</i>	<i>Semiothisa multilineata</i>	<i>Bomolocha abalienalis</i>
<i>Bellura diffusa</i>	<i>Hypagyrtis piniata</i>	<i>Semiothisa ulsterata</i>	<i>Bomolocha palparia</i>
<i>Bellura gortynoides</i>	<i>Hypenodes caducus</i>	<i>Spaelotis clandestina</i>	<i>Bomolocha sordidula</i>
<i>Bleptina caradrinalis</i>	<i>Hypoprepia fucosa</i>	<i>Sphinx poecila</i>	<i>Caenurgina crassiuscula</i>
<i>Brachylomia algens</i>	<i>Hypoprepia miniata</i>	<i>Spodoptera frugiperda</i>	<i>Callopistria cordata</i>
<i>Cabera erythemaria</i>	<i>Hyppa xylinoides</i>	<i>Syngrapha rectangula</i>	<i>Callopistria mollissima</i>
<i>Caenurgina crassiuscula</i>	<i>Idia aemula</i>	<i>Tortricidia pallida</i>	<i>Campaea perlata</i>
<i>Calpe canadensis</i>	<i>Idia americalis</i>	<i>Tortricidia testacea</i>	<i>Catocala cara</i>
<i>Campaea perlata</i>	<i>Ipimorpha pleonectusa</i>	<i>Triphosa haesitata affirmaria</i>	<i>Catocala cerogama</i>
<i>Catocala briseis</i>	<i>Iridopsis larvaria</i>	<i>Xanthorhoe ferrugata</i>	<i>Catocala ilia</i>
<i>Catocala concumbens</i>	<i>Lacinipolia lorea</i>	<i>Xanthorhoe munitata</i>	<i>Celaena reniformis</i>
<i>Catocala ultronia</i>	<i>Lacinipolia lustralis</i>	<i>Xanthotype sospeta</i>	<i>Ceratomia amyntor</i>
<i>Chersotis juncta</i>	<i>Lacinipolia meditata</i>	<i>Xanthotype urticaria</i>	<i>Cerma cerintha</i>
<i>Chortodes inquinata</i>	<i>Lacinipolia olivacea</i>	<i>Xestia badicollis</i>	<i>Choephora fungorum</i>
<i>Chytolita petrealis</i>	<i>Lacinipolia renigera</i>	<i>Xestia c-nigrum</i>	<i>Chytonix palliatricula</i>
<i>Cingilia catenaria</i>	<i>Leucania inermis</i>	<i>Xestia dolosa</i>	<i>Cisseps fulvicollis</i>
<i>Clemensia albata</i>	<i>Leucania multilinea</i>	<i>Xestia normaniana</i>	<i>Closteria albosigma</i>
<i>Crambodia casta</i>	<i>Leucania phragmatidicola</i>	<i>Xestia smithii</i>	<i>Cosmia calami</i>
<i>Crambodia pallida</i>	<i>Leucania ursula</i>	<i>Xylomoia chagnoni</i>	<i>Crambodes talidiformis</i>
<i>Cryptocala acadiensis</i>	<i>Lithacodia albidula</i>	<i>Zanclognatha jacchusalis</i>	<i>Crambus agitatellus</i>
<i>Ctenucha virginica</i>	<i>Lymantria dispar</i>	<i>Zanclognatha protumnusalis</i>	<i>Crambus leachellus</i>
<i>Diarsia jucunda</i>	<i>Metalectra quadrisignata</i>	<b>Forestville/Mystery Cave</b>	<i>Cressonia juglandis</i>
<i>Diarsia rosaria</i>	<i>Metanema determinata</i>		<i>Cucullia convexipennis</i>

<i>Dasychira dorsipennata</i>	<i>Macrochilo hypocritalis</i>	<i>Spragueia leo</i>	<i>Autographa ampla</i>
<i>Datana angusii</i>	<i>Macrurocampa marthesia</i>	<i>Tortricidia testacea</i>	<i>Autographa precatonis</i>
<i>Datana perspicua</i>	<i>Megalographa biloba</i>	<i>Trichodezia albovittata</i>	<i>Automeris io</i>
<i>Desmia funeralis</i>	<i>Metanema inatomaria</i>	<i>Tricholita signata</i>	<i>Bandera binotella</i>
<i>Diachrysia balluca</i>	<i>Metarranthis hypochraria</i>	<i>Ulolonche modesta</i>	<i>Bleptina caradrinalis</i>
<i>Diacme elealis</i>	<i>Morrisonia latex</i>	<i>Xestia dolosa</i>	<i>Bomolocha abalienalis</i>
<i>Dichagyris accivis</i>	<i>Mythimna oxygala</i>	<i>Zale galbanata</i>	<i>Bomolocha editalis</i>
<i>Drepana arcuata</i>	<i>Mythimna unipuncta</i>	<i>Zale minerea</i>	<i>Caenurgina crassiuscula</i>
<i>Elaphria grata</i>	<i>Nadada gibbosa</i>	<i>Zanclognatha lituralis</i>	<i>Campaea perlata</i>
<i>Ellida caniplaga</i>	<i>Nematocampa limbata</i>	<b>Frontenac</b>	<i>Catabena lineolata</i>
<i>Enargia decolor</i>	<i>Nephelodes minians</i>	<b>271</b>	<i>Catocala abbreviatella</i>
<i>Eosphoropteryx thyatyroides</i>	<i>Noctua pronuba</i>	<i>Abagrotis alternata</i>	<i>Catocala amatrix</i>
<i>Epipaschia zelleri</i>	<i>Ochropleura implecta</i>	<i>Abagrotis cupida</i>	<i>Catocala amestris</i>
<i>Eubaphe mendica</i>	<i>Odontosia elegans</i>	<i>Abrostola urentis</i>	<i>Catocala blandula</i>
<i>Euchaetes egle</i>	<i>Oligia fractilinea</i>	<i>Acronicta americana</i>	<i>Catocala cara</i>
<i>Euclea delphinii</i>	<i>Oligia mactata</i>	<i>Acronicta betulae</i>	<i>Catocala cerogama</i>
<i>Eudryas grata</i>	<i>Oligocentria lignicolor</i>	<i>Acronicta clarescens</i>	<i>Catocala coccinata</i>
<i>Eulithis diversilineata</i>	<i>Orgyia leucostigma</i>	<i>Acronicta fragilis</i>	<i>Catocala concumbens</i>
<i>Eulithis explanata</i>	<i>Orthodes cynica</i>	<i>Acronicta haesitata</i>	<i>Catocala crataegi</i>
<i>Euplexia benesimilis</i>	<i>Orthodes goodelli</i>	<i>Acronicta hasta</i>	<i>Catocala grynea</i>
<i>Euxoa obeliscoides</i>	<i>Orthonama centrostrigaria</i>	<i>Acronicta morula</i>	<i>Catocala ilia</i>
<i>Euxoa scholastica</i>	<i>Orthonama obstipata</i>	<i>Actias luna</i>	<i>Catocala judith</i>
<i>Euxoa tessellata</i>	<i>Ostrinia nubilalis</i>	<i>Adita chionanthi</i>	<i>Catocala micronympha</i>
<i>Faronta diffusa</i>	<i>Panopoda carneicosta</i>	<i>Agrotis gladiaria</i>	<i>Catocala neogama</i>
<i>Feltia geniculata</i>	<i>Panopoda rufimargo</i>	<i>Agrotis ipsilon</i>	<i>Catocala ultronia</i>
<i>Feltia herilis</i>	<i>Pantographa limata</i>	<i>Agrotis vetusta</i>	<i>Catocala unijuga</i>
<i>Feltia subgothica</i>	<i>Paonias excaecatus</i>	<i>Alypia octomaculata</i>	<i>Celaena reniformis</i>
<i>Furcula cinerea</i>	<i>Paonias myops</i>	<i>Amolita fessa</i>	<i>Ceratomia amyntor</i>
<i>Galgula partita</i>	<i>Papaipema arctivorens</i>	<i>Amphipoea americana</i>	<i>Cercyonis pegala</i>
<i>Glaphisia septentrionalis</i>	<i>Papaipema harrisii</i>	<i>Amphipoea velata</i>	<i>Cerma cerintha</i>
<i>Grammia anna</i>	<i>Papaipema leucostigma</i>	<i>Amphyra glabella</i>	<i>Charadra deridens</i>
<i>Grammia virgo</i>	<i>Paraponyx badiusalis</i>	<i>Amphyra pyramidoides</i>	<i>Chlorochlamys chloroleucari</i>
<i>Haploa lecontei</i>	<i>Peridroma saucia</i>	<i>Amphyra tragopoginis</i>	<i>Chrysoteuchia toparia</i>
<i>Haploa reversa</i>	<i>Pero honestaria</i>	<i>Anagrapha falcifera</i>	<i>Chytonix palliatricula</i>
<i>Harrisimemna trisignata</i>	<i>Phlogophora periculosa</i>	<i>Anaplectoides prasina</i>	<i>Cisseps fulvicollis</i>
<i>Helicoverpa zea</i>	<i>Plagiomicrus pityochromus</i>	<i>Anicla (Euagrotis) forbesi</i>	<i>Closteria albosigma</i>
<i>Hemaris thysbe</i>	<i>Plagodis fervidaria</i>	<i>Anicla (Euagrotis) illapsa</i>	<i>Closteria inclusa</i>
<i>Heterocampa umbrata</i>	<i>Plathypena scabra</i>	<i>Anisota rubicunda</i>	<i>Condica vecors</i>
<i>Holomelina aurantiaca</i>	<i>Polygrammate hebraicum</i>	<i>Anisota senatoria</i>	<i>Cosmia calami</i>
<i>Hydraecia immanis</i>	<i>Protolampra brunneicollis</i>	<i>Anticlea multiflerata</i>	<i>Crambodes talidiformis</i>
<i>Hypena humuli</i>	<i>Proxenus miranda</i>	<i>Apamea amputatrix</i>	<i>Crambus agitatellus</i>
<i>Hyphantria cunea</i>	<i>Pseudohermonassa bicarnea</i>	<i>Apamea cariosa</i>	<i>Crambus caliginosellus</i>
<i>Hypoprepia fucosa</i>	<i>Pseudohermonassa tenuicula</i>	<i>Apamea devastator</i>	<i>Crambus leachellus</i>
<i>Idia americalis</i>	<i>Rachiplusia ou</i>	<i>Apamea dubitans</i>	<i>Crambus murellus</i>
<i>Isia isabella</i>	<i>Raphia frater</i>	<i>Apamea helva</i>	<i>Cucullia asteroides</i>
<i>Itame ribearia</i>	<i>Renia discoloralis</i>	<i>Apamea lignicolora</i>	<i>Cucullia convexipennis</i>
<i>Itame subcessaria</i>	<i>Schinia arcigera</i>	<i>Apamea lutosa</i>	<i>Cyclophora packardi</i>
<i>Lacinipolia implicata</i>	<i>Schinia lynx</i>	<i>Apamea ophiogramma</i>	<i>Cycnia inopinatus</i>
<i>Lacinipolia renigera</i>	<i>Schinia rivulosa</i>	<i>Apamea plutonia</i>	<i>Datana angusii</i>
<i>Lambdina fervidaria</i>	<i>Schinia trifascia</i>	<i>Apamea unaniris</i>	<i>Datana contracta</i>
<i>Leucania commoides</i>	<i>Scopula inductata</i>	<i>Apantesis phalerata</i>	<i>Datana perspicua</i>
<i>Leucania pseudargyria</i>	<i>Smerinthus jamaicensis</i>	<i>Archana oblonga</i>	<i>Desmia funeralis</i>
<i>Macrochilo absorptalis</i>	<i>Spiramater lutra</i>	<i>Atrytone logan</i>	<i>Diacme elealis</i>

<i>Dichagyris acclivis</i>	<i>Lacinipolia meditata</i>	<i>Papaipema nebris</i>	<i>Striacosta albicosta</i>
<i>Dichagyris grotei</i>	<i>Lacinipolia renigera</i>	<i>Papaipema sciata</i>	<i>Tampa dimidiatella</i>
<i>Elaphria grata</i>	<i>Lambdina fervidaria</i>	<i>Papilio cressphontes</i>	<i>Tarachidia binocula</i>
<i>Enargia infumata</i>	<i>Lateroligia ophiogramma</i>	<i>Paraponyx badiusalis</i>	<i>Tathorhynchus exsiccatus</i>
<i>Epipaschia zelleri</i>	<i>Lethe anthenon</i>	<i>Paraponyx maculalis</i>	<i>Telea polyphemus</i>
<i>Estigmene acrea</i>	<i>Leucania commoides</i>	<i>Peoria floridella</i>	<i>Thaumatopsis pexella</i>
<i>Euchaetes egle</i>	<i>Leucania insueta</i>	<i>Peridroma saucia</i>	<i>Tortricidia testacea</i>
<i>Eucirroedia pampina</i>	<i>Leucania linda</i>	<i>Perigea xanthiodes</i>	<i>Tricholita notata</i>
<i>Euclea delphinii</i>	<i>Leucania pseudargyria</i>	<i>Pero honestaria</i>	<i>Urola nivalis</i>
<i>Eudryas unio</i>	<i>Leuconycta diphteroides</i>	<i>Phalaenostola metonalis</i>	<i>Xanthorhoe lacustrata</i>
<i>Eulithis diversilineata</i>	<i>Lithacodia albidula</i>	<i>Phlogophora periculosa</i>	<i>Xestia c-nigrum</i>
<i>Euplexia benesimilis</i>	<i>Lithacodia muscosa</i>	<i>Phosphila miselloides</i>	<i>Xestia normaniana</i>
<i>Euxoa immixta</i>	<i>Lithacodia musta</i>	<i>Phragmatobia fuliginosa</i>	<i>Xestia smithii</i>
<i>Euxoa obeliscoidea</i>	<i>Lithacodia synochitis</i>	<i>Plagiomicrus pityochromus</i>	<i>Xubida panalope</i>
<i>Euxoa scholastica</i>	<i>Loxostege sticticalis</i>	<i>Plagodis fervidaria</i>	<i>Zale galbanata</i>
<i>Euxoa tessellata</i>	<i>Lycophotia phyllophora</i>	<i>Plathypena scabra</i>	<i>Zale minerea</i>
<i>Faronta diffusa</i>	<i>Macaria orillata</i>	<i>Plusia contexta</i>	<i>Zanclognatha lituralis</i>
<i>Faronta rubripennis</i>	<i>Macrochilo absorptalis</i>	<i>Polites origenes</i>	<b>George Crosby Manitou</b>
<i>Feltia geniculata</i>	<i>Macrochilo hypocrita</i>	<i>Polygonia progne</i>	<b>405</b>
<i>Feltia herilis</i>	<i>Macrochilo louisiana</i>	<i>Polygrammate hebraicum</i>	<i>Abagrotis alternata</i>
<i>Feltia jaculifera</i>	<i>Macrochilo orciferalis</i>	<i>Probole amicaria</i>	<i>Abagrotis brunneipennis</i>
<i>Feltia subgothica</i>	<i>Macrurocampa marthesia</i>	<i>Protolampra brunneicollis</i>	<i>Abagrotis cupida</i>
<i>Galgula partita</i>	<i>Megalographa biloba</i>	<i>Protorthodes oviduca</i>	<i>Acronicta americana</i>
<i>Glaphyria sesquistrialis</i>	<i>Metarranthis hypochraria</i>	<i>Proxenus miranda</i>	<i>Acronicta dactylina</i>
<i>Glaphyria septentrionalis</i>	<i>Morrisonia evicta</i>	<i>Pseudohemeranassa bicarnea</i>	<i>Acronicta fragilis</i>
<i>Grammia arge</i>	<i>Morrisonia latex</i>	<i>Pseudohemeranassa tenuicula</i>	<i>Acronicta funeralis</i>
<i>Grammia figurata</i>	<i>Mythimna oxygala</i>	<i>Pyrausta signatalis</i>	<i>Acronicta grisea</i>
<i>Grammia parthenice</i>	<i>Mythimna unipuncta</i>	<i>Pyrrhia umbra</i>	<i>Acronicta impressa</i>
<i>Grammia virgo</i>	<i>Nadata gibbosa</i>	<i>Raphia frater</i>	<i>Acronicta laetifica</i>
<i>Grammia virguncula</i>	<i>Nedra ramosula</i>	<i>Renia discoloralis</i>	<i>Acronicta superans</i>
<i>Haematopis grataria</i>	<i>Nephelodes minians</i>	<i>Renia flavipunctalis</i>	<i>Actias luna</i>
<i>Haploa lecontei</i>	<i>Noctua pronuba</i>	<i>Rheumaptera hastata</i>	<i>Agrotis venerabilis</i>
<i>Harrisimemna trisignata</i>	<i>Ochropleura implecta</i>	<i>Satyrium edwardsii</i>	<i>Agrotis ypsilon</i>
<i>Helicoverpa zea</i>	<i>Odontosia elegans</i>	<i>Satyrium titus</i>	<i>Aletia oxygala</i>
<i>Heliothis acesias</i>	<i>Ogdoconta cinereola</i>	<i>Schinia arcigera</i>	<i>Alypia langtoni</i>
<i>Hemaris thysbe</i>	<i>Oligia chlorostigma</i>	<i>Schinia lucens</i>	<i>Amathes oblata</i>
<i>Herpetogramma aeglealis</i>	<i>Oligia fractilinea</i>	<i>Schinia lynx</i>	<i>Amathes opacifrons</i>
<i>Holomelina aurantiaca</i>	<i>Oligia modica</i>	<i>Schinia nundina</i>	<i>Amphipoea americana</i>
<i>Homohadena badistriga</i>	<i>Oligocentria lignicolor</i>	<i>Schinia oleagina</i>	<i>Amphipoea velata</i>
<i>Homohadena infixa</i>	<i>Oligocentria semirufescens</i>	<i>Schinia trifascia</i>	<i>Amphyipyra glabella</i>
<i>Hydraecia stramentosa</i>	<i>Orgyia leucostigma</i>	<i>Scopula inductata</i>	<i>Amphyipyra pyramidalis</i>
<i>Hypena humuli</i>	<i>Orthodes cynica</i>	<i>Scopula limboundata</i>	<i>Anagoga occiduaria</i>
<i>Hyphantria cunea</i>	<i>Orthonama centrostrigaria</i>	<i>Semiothisa continuata</i>	<i>Anaplectoides prasina</i>
<i>Hypoprepia fucosa</i>	<i>Orthonama obstipata</i>	<i>Semiothisa eremita</i>	<i>Anathix puta</i>
<i>Hyppa xylinoides</i>	<i>Ostrinia nubilalis</i>	<i>Semiothisa orillata</i>	<i>Ancyloxypha numitor</i>
<i>Idia aemula</i>	<i>Ostrinia penitalis</i>	<i>Simyra henrici</i>	<i>Apamea devastator</i>
<i>Idia americalis</i>	<i>Panopoda rufimargo</i>	<i>Smerinthus jamaicensis</i>	<i>Apamea dubitans</i>
<i>Ipimorpha pleonectusa</i>	<i>Pantographa limata</i>	<i>Speyeria aphrodite</i>	<i>Apamea impulta</i>
<i>Isia isabella</i>	<i>Paonias excaecatus</i>	<i>Speyeria cybele</i>	<i>Apamea lignicolora</i>
<i>Itame ribearia</i>	<i>Papaipema arctivorens</i>	<i>Speyeria idalia</i>	<i>Apamea mixta</i>
<i>Itame subcessaria</i>	<i>Papaipema baptisiae</i>	<i>Spilosoma congrua</i>	<i>Apamea niveivenosa</i>
<i>Lacinipolia implicata</i>	<i>Papaipema harrisii</i>	<i>Spiramater lutra</i>	<i>Apamea ophiogramma</i>
<i>Lacinipolia lorea</i>	<i>Papaipema leucostigma</i>	<i>Spodoptera frugiperda</i>	<i>Apamea verbascoides</i>

<i>Aplectoides condita</i>	<i>Coenophila opacifrons</i>	<i>Eupithecia palpata</i>	<i>Holomelina laeta</i>
<i>Autographa ampla</i>	<i>Colias gigantea</i>	<i>Eupithecia satyrata</i>	<i>Homochlodes lactispargaria</i>
<i>Autographa precatonis</i>	<i>Colias philodice</i>	<i>Euplexia benesimilis</i>	<i>Homophoberia apicosa</i>
<i>Automeris io</i>	<i>Colocasia flavicornis</i>	<i>Eupsilia devia</i>	<i>Homorthodes furfurata</i>
<i>Baileya doubledayi</i>	<i>Condica vecors</i>	<i>Eupsilia sidus</i>	<i>Hydrelia condensata</i>
<i>Baileya ophthalmica</i>	<i>Crambidia casta</i>	<i>Eupsilia vinulenta</i>	<i>Hydiromena divisaria</i>
<i>Bellura diffusa</i>	<i>Crambidia pallida</i>	<i>Eurois astricta</i>	<i>Hypagyrtis unipunctata</i>
<i>Bellura obliqua</i>	<i>Crocigrapha normani</i>	<i>Eurois occulta</i>	<i>Hypena humuli</i>
<i>Biston betularia</i>	<i>Cryptocala acadiensis</i>	<i>Euthyatira pudens</i>	<i>Hypoprepia fucosa</i>
<i>Bleptina caradrinalis</i>	<i>Ctenucha virginica</i>	<i>Euxoa antica</i>	<i>Hyppa xylinoides</i>
<i>Boloria bellona</i>	<i>Cyclophora pendulinaria</i>	<i>Euxoa comosa</i>	<i>Idia aemula</i>
<i>Boloria selene</i>	<i>Danaus plexippus</i>	<i>Euxoa intrita</i>	<i>Idia americalis</i>
<i>Bomolocha madefactalis</i>	<i>Darapsa pholus</i>	<i>Euxoa mimallonis</i>	<i>Idia lubricalis</i>
<i>Brachylomia algens</i>	<i>Dasylophia anguina</i>	<i>Euxoa ochrogaster</i>	<i>Idia rotundalis</i>
<i>Cabera erythema</i>	<i>Datana ministra</i>	<i>Euxoa servita</i>	<i>Lacanobia radix</i>
<i>Cabera variolaria</i>	<i>Deidamia inscripta</i>	<i>Euxoa tessellata</i>	<i>Lacinipolia anguina</i>
<i>Caenurgina crassiuscula</i>	<i>Diachrysia aeroides</i>	<i>Everes comyntas</i>	<i>Lacinipolia lorea</i>
<i>Caenurgina erechtea</i>	<i>Diarsia dislocata</i>	<i>Faronta diffusa</i>	<i>Lacinipolia lustralis</i>
<i>Callopistria cordata</i>	<i>Diarsia jucunda</i>	<i>Feltia [Trichosilia] mollis</i>	<i>Lacinipolia meditata</i>
<i>Calpe canadensis</i>	<i>Diarsia rubifera</i>	<i>Feltia herilis</i>	<i>Lacinipolia olivacea</i>
<i>Campaea perlata</i>	<i>Drepana arcuata</i>	<i>Feltia jaculifera</i>	<i>Lacinipolia renigera</i>
<i>Capis curvata</i>	<i>Drepana bilineata</i>	<i>Feltia mollis</i>	<i>Lambdina fervidaria</i>
<i>Caripeta divisata</i>	<i>Dryocampa rubicunda</i>	<i>Feltia subgothica</i>	<i>Lambdina fiscellaria</i>
<i>Caripeta piniata</i>	<i>Egira dolosa</i>	<i>Feltia tricosa</i>	<i>Ledaea perditalis</i>
<i>Carterocephalus palaemon</i>	<i>Eilema bicolor</i>	<i>Feniseca tarquinius</i>	<i>Lemmeria digitalis</i>
<i>Catocala blandula</i>	<i>Elaphria festivoides</i>	<i>Feralia comstocki</i>	<i>Leucania commoides</i>
<i>Catocala briseis</i>	<i>Enargia decolor</i>	<i>Furcula occidentalis</i>	<i>Leucania inermis</i>
<i>Catocala coelebs</i>	<i>Enargia infumata</i>	<i>Furcula scolopendrina</i>	<i>Leucania insueta</i>
<i>Catocala concumbens</i>	<i>Enargia mephisto</i>	<i>Gluphisia avimacula</i>	<i>Leucania linita</i>
<i>Catocala gracilis</i>	<i>Ennomos subsignaria</i>	<i>Gluphisia lintneri</i>	<i>Leucania multilinea</i>
<i>Catocala relicta</i>	<i>Enodia anthedon</i>	<i>Gluphisia septentrionalis</i>	<i>Leucania phragmatidicola</i>
<i>Catocala semirelicta</i>	<i>Eosphoropteryx thyatyroides</i>	<i>Grammia celia</i>	<i>Limenitis archippus</i>
<i>Catocala sordida</i>	<i>Epargyreus clarus</i>	<i>Grammia parthenice</i>	<i>Limenitis arthemis</i>
<i>Catocala ultronia</i>	<i>Epiglaea apiata</i>	<i>Grammia phyllira</i>	<i>Lithacodia albidula</i>
<i>Celaena reniformis</i>	<i>Epiglaea decliva</i>	<i>Grammia speciosa</i>	<i>Lithacodia bellicula</i>
<i>Celastrina ladon</i>	<i>Epirrhoe substriataria</i>	<i>Grammia virgo</i>	<i>Lithacodia muscosula</i>
<i>Celastrina lucia</i>	<i>Epirrhoe alternata</i>	<i>Grammia virguncula</i>	<i>Lithacodia synochitis</i>
<i>Celastrina neglecta</i>	<i>Epirrita autumnata</i>	<i>Grammia williamsii</i>	<i>Litholomia napaea</i>
<i>Ceratomia undulosa</i>	<i>Epirrita autumnata henshawi</i>	<i>Graphiphora augur</i>	<i>Lithomoia germana</i>
<i>Cercyonis pegala</i>	<i>Erynnis icelus</i>	<i>Habrosyne gloriosa</i>	<i>Lithophane fagina</i>
<i>Charadra deridens</i>	<i>Estigmene acrea</i>	<i>Habrosyne scripta</i>	<i>Lithophane innominata</i>
<i>Chloroclysta hersiliata</i>	<i>Euagrotis forbesi</i>	<i>Haploa lecontei</i>	<i>Lithophane petulca</i>
<i>Chortodes defecta</i>	<i>Euchaetes egle</i>	<i>Haploa reversa</i>	<i>Lithophane pexata</i>
<i>Chortodes inquinata</i>	<i>Eucirroedia pampina</i>	<i>Heliothis zea</i>	<i>Lomanaltes eductalis</i>
<i>Chytolita petrealis</i>	<i>Eudryas grata</i>	<i>Hemipachnobia monochrom</i>	<i>Lophocampa maculata</i>
<i>Chytonix palliatricula</i>	<i>Eudryas unio</i>	<i>Heptagrotis phyllophora</i>	<i>Luperina passer</i>
<i>Cisseps fulvicollis</i>	<i>Eueretagrotis attenta</i>	<i>Heterocampa biundata</i>	<i>Lycaena phlaeas</i>
<i>Cladara atroliturata</i>	<i>Eueretagrotis perattenta</i>	<i>Heterocampa manteo</i>	<i>Macaria signaria</i>
<i>Clemensia albata</i>	<i>Eufidonia convergaria</i>	<i>Heterocampa obliqua</i>	<i>Macrochilo absorptalis</i>
<i>Clostera albosigma</i>	<i>Eulithis explanata</i>	<i>Hillia algens</i>	<i>Macrochilo bivittata</i>
<i>Clostera apicalis</i>	<i>Eulithis serrataria</i>	<i>Hillia iris</i>	<i>Macrochilo hypocritalis</i>
<i>Clostera strigosa</i>	<i>Eumacaria latiferrugata</i>	<i>Himella intractata</i>	<i>Macrochilo litophora</i>
<i>Coenonympha tullia</i>	<i>Euphyes vestris metacomet</i>	<i>Holomelina ferruginosa</i>	<i>Macro noctua onusta</i>

<i>Magusa orbifera</i>	<i>Phlogophora periculosa</i>	<i>Smerinthus geminatus</i>	<b>Grand Portage</b>
<i>Megisto cymela</i>	<i>Phragmatobia assimilans</i>	<i>Spaelotis clandestina</i>	<b>75</b>
<i>Melanolophia signataria</i>	<i>Phragmatobia fuliginosa</i>	<i>Spartiniiphaga panatella</i>	<i>Abagrotis placida</i>
<i>Metalepsis salicarum</i>	<i>Phyciodes batesii</i>	<i>Speyeria aphrodite</i>	<i>Achatodes zeae</i>
<i>Metanema determinata</i>	<i>Phyciodes selenis</i>	<i>Speyeria atlantis</i>	<i>Acronicta dactylina</i>
<i>Metarranthis duaria</i>	<i>Phyllodesma americana</i>	<i>Speyeria cybele krautwurmi</i>	<i>Acronicta exilis</i>
<i>Metarranthis indeclinata</i>	<i>Pieris rapae</i>	<i>Sphinx kalmiae</i>	<i>Anaplectoides prasina</i>
<i>Nadata gibbosa</i>	<i>Plagodis kuetzingi</i>	<i>Sphinx poecila</i>	<i>Apamea devastator</i>
<i>Nematocampa limbata</i>	<i>Platarctia parthenos</i>	<i>Spilosoma congrua</i>	<i>Apamea dubitans</i>
<i>Nephelodes minians</i>	<i>Platypolia anceps</i>	<i>Spilosoma virginica</i>	<i>Autographa bimaculata</i>
<i>Nepytia canosaria</i>	<i>Plusia aerea</i>	<i>Spiramater lutra</i>	<i>Campaea perlata</i>
<i>Nerice bidentata</i>	<i>Plusia venusta</i>	<i>Spodoptera frugiperda</i>	<i>Catocala ultronia</i>
<i>Noctua pronuba</i>	<i>Poanes hobomok</i>	<i>Sunira bicolorago</i>	<i>Chortodes defecta</i>
<i>Notodontia scitipennis</i>	<i>Polia distracta</i>	<i>Sutyna privata</i>	<i>Chortodes inquinata</i>
<i>Notodontia similaria</i>	<i>Polia goodelli</i>	<i>Syngrapha alias</i>	<i>Crambidia pallida</i>
<i>Nymphalis antiopa</i>	<i>Polia imbrifera</i>	<i>Syngrapha microgamma</i>	<i>Cryptocala acadiensis</i>
<i>Nymphalis vau-album</i>	<i>Polia nimbosa</i>	<i>Syngrapha rectangula</i>	<i>Ctenucha virginica</i>
<i>Ochropleura plecta</i>	<i>Polia purpurissata</i>	<i>Tacparia atropunctata</i>	<i>Diasria jucunda</i>
<i>Odontosia elegans</i>	<i>Polites coras</i>	<i>Tacparia detersata</i>	<i>Drepana arcuata</i>
<i>Oligia fractilinea</i>	<i>Polites mystic</i>	<i>Telea polyphemus</i>	<i>Eilema bicolor</i>
<i>Oligia illocata</i>	<i>Polygonia comma</i>	<i>Tetanolita floridana</i>	<i>Enargia decolor</i>
<i>Oligia modica</i>	<i>Polygonia faunus</i>	<i>Tetracis cachexiata</i>	<i>Eulithis flavibrunneata</i>
<i>Oligocentria lignicolor</i>	<i>Polygonia interrogationis</i>	<i>Tetracis crocallata</i>	<i>Eulithis propulsata</i>
<i>Oligocentria semirufescens</i>	<i>Polygonia progne</i>	<i>Thorybes pylades</i>	<i>Eulithis serrataria</i>
<i>Oreta rosea</i>	<i>Probola alienaria</i>	<i>Thymelicus lineola</i>	<i>Eulithis testata</i>
<i>Orgya leucostigma</i>	<i>Prolimacodes badia</i>	<i>Tolype laricis</i>	<i>Eurois occulta</i>
<i>Orthodes cynica</i>	<i>Protolampra rufipectus</i>	<i>Tortricidia flexuosa</i>	<i>Euxoa messoria</i>
<i>Orthonama centrostrigaria</i>	<i>Protorthodes oviduca</i>	<i>Tortricidia pallida</i>	<i>Feltia herilis</i>
<i>Orthosia hibisci</i>	<i>Proxenus miranda</i>	<i>Tortricidia testacea</i>	<i>Feltia jaculifera</i>
<i>Orthosia rubescens</i>	<i>Pseudaletia unipuncta</i>	<i>Trichoplusia ni</i>	<i>Feltia subgothica</i>
<i>Pachysphinx modesta</i>	<i>Pseudeva purpurigera</i>	<i>Trichordestra legitima</i>	<i>Feltia tricosa</i>
<i>Panthea acronyctoides</i>	<i>Pseudohermonassa tenuicula</i>	<i>Ufeus satyricus</i>	<i>Gluphisia septentrionalis</i>
<i>Panthea pallescens</i>	<i>Pseudorthodes vecors</i>	<i>Vanessa atalanta</i>	<i>Grammia celia</i>
<i>Paonias excaecatus</i>	<i>Pseudothyatira cymatophoro</i>	<i>Vanessa cardui</i>	<i>Grammia virgo</i>
<i>Paonias myops</i>	<i>Pyreferra citromba</i>	<i>Vanessa virgininiensis</i>	<i>Graphiphora augur</i>
<i>Papaipema arctivorens</i>	<i>Pyreferra pettiti</i>	<i>Venusia comptaria</i>	<i>Homorthodes furfurata</i>
<i>Papaipema eupatoria</i>	<i>Pyrrharctia isabella</i>	<i>Wallengrenia egeremet</i>	<i>Hypoprepia miniata</i>
<i>Papaipema harrisii</i>	<i>Raphia frater</i>	<i>Xanthia togata</i>	<i>Idia americalis</i>
<i>Papaipema impecuniosa</i>	<i>Renia flavipunctalis</i>	<i>Xanthotype urticaria</i>	<i>Idia diminuendis</i>
<i>Papaipema nepheleptena</i>	<i>Rivula propinqualis</i>	<i>Xestia badicollis</i>	<i>Itame subcessaria</i>
<i>Papaipema unimoda</i>	<i>Satyrium titus</i>	<i>Xestia c-nigrum</i>	<i>Lacinipolia lorea</i>
<i>Papilio canadensis</i>	<i>Satyrodes eurydice</i>	<i>Xestia dolosa</i>	<i>Lacinipolia renigera</i>
<i>Paradiarsia littoralis</i>	<i>Schinia florida</i>	<i>Xestia normaniana</i>	<i>Leucania multilinea</i>
<i>Peridea angulosa</i>	<i>Schizura ipomoeae</i>	<i>Xestia oblata</i>	<i>Lithacodia albidula</i>
<i>Peridea ferruginea</i>	<i>Schizura leptinoides</i>	<i>Xestia praevia</i>	<i>Lithacodia muscosula</i>
<i>Peridroma saucia</i>	<i>Schizura unicornis</i>	<i>Xestia smithii</i>	<i>Lomanaltes eductalis</i>
<i>Pero morrisonaria</i>	<i>Scoliopteryx libatrix</i>	<i>Xestia youngii</i>	<i>Luperina passer</i>
<i>Phalaenophana pyramusalis</i>	<i>Scopula ancellata</i>	<i>Xylena curvimacula</i>	<i>Lymantria dispar</i>
<i>Phalaenostola eumelusalis</i>	<i>Selenia alciphearia</i>	<i>Xylomoia chagnoni</i>	<i>Macrochilo bivittata</i>
<i>Phalaenostola hanhami</i>	<i>Semiothisa oweni</i>	<i>Zale lunata</i>	<i>Macrochilo hypocritalis</i>
<i>Phalaenostola metonalis</i>	<i>Semiothisa sexmaculata</i>	<i>Zanclognatha lituralis</i>	<i>Macrochilo litophora</i>
<i>Pheosia rimosata</i>	<i>Semiothisa ulsterata</i>	<i>Zanclognatha ochreipennis</i>	<i>Nematocampa limbata</i>
<i>Phlogophora iris</i>	<i>Smerinthus cerisyi</i>	<i>Zanclognatha theralis</i>	<i>Nephelodes minians</i>

<i>Orthosia hibisci</i>	<i>Anaplectoides prasina</i>	<i>Catocala retecta</i>	<i>Eucirroedia pampina</i>
<i>Phlogophora periculosa</i>	<i>Anathix ralla</i>	<i>Catocala serena</i>	<i>Euclea delphini</i>
<i>Platarctia parthenos</i>	<i>Anicla (Euagrotis) forbesi</i>	<i>Catocala subnata</i>	<i>Eudeilinea herminiate</i>
<i>Platyperigea multifera</i>	<i>Anicla (Euagrotis) illapsa</i>	<i>Catocala ultronria</i>	<i>Eudryas grata</i>
<i>Polia detracta</i>	<i>Anisota rubicunda</i>	<i>Catocala unijuga</i>	<i>Eudryas unio</i>
<i>Polia goodelli</i>	<i>Anisota senatoria</i>	<i>Catocala vidua</i>	<i>Eueretagrotis sigmoides</i>
<i>Polia imbrifera</i>	<i>Anterastria teratophora</i>	<i>Celaena reniformis</i>	<i>Eulithis diversilineata</i>
<i>Polia nimbosa</i>	<i>Anticlea multiferata</i>	<i>Celerio lineata</i>	<i>Eulithis explanata</i>
<i>Prochoerodes transversata</i>	<i>Apamea amputatrix</i>	<i>Ceratomia amyntor</i>	<i>Euplexia benesimilis</i>
<i>Pseudohermonassa tenuicula</i>	<i>Apamea devastator</i>	<i>Ceratomia undulosa</i>	<i>Euthyatira pudens</i>
<i>Schizura unicornis</i>	<i>Apamea dubitans</i>	<i>Cerma cerintha</i>	<i>Euxoa immixta</i>
<i>Syngrapha selecta</i>	<i>Apamea helva</i>	<i>Chlorochlamys chloroleucari</i>	<i>Euxoa obeliscoides</i>
<i>Tortricidia testacea</i>	<i>Apamea lignicolora</i>	<i>Chlosyne gorgone</i>	<i>Euxoa tessellata</i>
<i>Venusia cambrica</i>	<i>Apamea nigrior</i>	<i>Chlosyne nycteis</i>	<i>Euxoa velleripennis</i>
<i>Xanthorhoe lacustrata</i>	<i>Apamea plutonia</i>	<i>Choephora fungorum</i>	<i>Faronta diffusa</i>
<i>Xestia badicollis</i>	<i>Apamea relicina</i>	<i>Chrysanthympha formosa</i>	<i>Faronta rubripennis</i>
<i>Xestia c-nigrum</i>	<i>Apamea unanimis</i>	<i>Chrysoteuchia toparia</i>	<i>Feltia geniculata</i>
<i>Xestia dolosa</i>	<i>Apantesis phalerata</i>	<i>Chytonix palliatricula</i>	<i>Feltia herilis</i>
<i>Xestia normaniana</i>	<i>Apoda biguttata</i>	<i>Cisseps fulvicollis</i>	<i>Feltia jaculifera</i>
<i>Xestia praevia</i>	<i>Apoda y-inversum</i>	<i>Closteria albosigma</i>	<i>Furcula borealis</i>
<i>Xestia smithii</i>	<i>Atrytone logan</i>	<i>Colocasia flavidornis</i>	<i>Galgula partita</i>
<i>Xestia youngii</i>	<i>Atrytonopsis hianna</i>	<i>Condica vecors</i>	<i>Glyphyria sesquistrialis</i>
<i>Zanclognatha jacchusalis</i>	<i>Autographa precatonis</i>	<i>Cosmia calami</i>	<i>Gluphisia septentrionalis</i>
<i>Zanclognatha ochreipennis</i>	<i>Automeris io</i>	<i>Crambodes talidiformis</i>	<i>Grammia anna</i>
<b>Great River Bluffs</b>	<i>Bellura obliqua</i>	<i>Crambus agitatellus</i>	<i>Grammia arge</i>
<b>322</b>	<i>Bomolocha abalienalis</i>	<i>Crambus caliginosellus</i>	<i>Grammia parthenice</i>
<i>Abagrotis alternata</i>	<i>Bomolocha edictalis</i>	<i>Crambus leachellus</i>	<i>Grammia phyllira</i>
<i>Abagrotis cupida</i>	<i>Bomolocha palparia</i>	<i>Crambus murellus</i>	<i>Grammia virgo</i>
<i>Abrostola urentis</i>	<i>Bomolocha sordidula</i>	<i>Cressonia juglandis</i>	<i>Grammia virguncula</i>
<i>Acrobasis kearfottella</i>	<i>Caenurgina crassiuscula</i>	<i>Cucullia asteroides</i>	<i>Habrosyne gloriosa</i>
<i>Acronicta americana</i>	<i>Caenurgina erechtea</i>	<i>Cucullia convexipennis</i>	<i>Haematopis grataria</i>
<i>Acronicta betulae</i>	<i>Callopistria cordata</i>	<i>Cycnia inopinatus</i>	<i>Harrisimemna trisignata</i>
<i>Acronicta clarens</i>	<i>Callopistria mollissima</i>	<i>Darapsa myron</i>	<i>Helicoverpa zea</i>
<i>Acronicta fragilis</i>	<i>Callosamia promethea</i>	<i>Datana angusii</i>	<i>Heliothis acesias</i>
<i>Acronicta funeralis</i>	<i>Campaea perlata</i>	<i>Datana perspicua</i>	<i>Hemaris thysbe</i>
<i>Acronicta haesitata</i>	<i>Catocala abbreviatella</i>	<i>Desmia funeralis</i>	<i>Heterocampa biundata</i>
<i>Acronicta hasta</i>	<i>Catocala amatrix</i>	<i>Diachrysia balluca</i>	<i>Heterocampa umbrata</i>
<i>Acronicta lepusculina</i>	<i>Catocala amestris</i>	<i>Dichagyris acclivis</i>	<i>Holomelina aurantiaca</i>
<i>Acronicta lobeliae</i>	<i>Catocala cara</i>	<i>Dichagyris grotei</i>	<i>Homohadena badistriga</i>
<i>Acronicta morula</i>	<i>Catocala cerogama</i>	<i>Dichagyris reliqua</i>	<i>Horisme intestinata</i>
<i>Acronicta spinigera</i>	<i>Catocala coccinata</i>	<i>Dichorda iridaria</i>	<i>Hydraecia stramentosa</i>
<i>Acronicta vinnula</i>	<i>Catocala concumbens</i>	<i>Drepana arcuata</i>	<i>Hypena humuli</i>
<i>Actias luna</i>	<i>Catocala connubialis</i>	<i>Dypterygia rozmani</i>	<i>Hyphantria cunea</i>
<i>Adita chionanthi</i>	<i>Catocala crataegi</i>	<i>Elaphria grata</i>	<i>Hypoprepia fucosa</i>
<i>Agrotis epsilon</i>	<i>Catocala grynea</i>	<i>Elaphria versicolor</i>	<i>Hypoprepia miniata</i>
<i>Alypia octomaculata</i>	<i>Catocala habilis</i>	<i>Ellida caniplaga</i>	<i>Hyppa xylinoides</i>
<i>Amphion nessus</i>	<i>Catocala ilia</i>	<i>Enargia decolor</i>	<i>Idia americalis</i>
<i>Amphipoea americana</i>	<i>Catocala judith</i>	<i>Eosphoropteryx thyatyroides</i>	<i>Ipimorpha pleonectusa</i>
<i>Amphipoea velata</i>	<i>Catocala micronympha</i>	<i>Epipaschia zelleri</i>	<i>Isia isabella</i>
<i>Amphyra glabella</i>	<i>Catocala neogama</i>	<i>Erynnis lucilius</i>	<i>Itame ribearia</i>
<i>Amphyra pyramidoides</i>	<i>Catocala obscura</i>	<i>Estigmene acrea</i>	<i>Itame subcessaria</i>
<i>Amphyra tragopoginis</i>	<i>Catocala palaeogama</i>	<i>Euchaetes egle</i>	<i>Lacinipolia implicata</i>
<i>Anagrapha falcifera</i>	<i>Catocala residua</i>	<i>Euchaetes oregonensis</i>	<i>Lacinipolia lorea</i>

<i>Lacinipolia meditata</i>	<i>Panopoda rufimargo</i>	<i>Smerinthus jamaicensis</i>	<i>Autographa precationis</i>
<i>Lacinipolia renigera</i>	<i>Pantographa limata</i>	<i>Spaelotis clandestina</i>	<i>Automeris io</i>
<i>Lambda fervidaria</i>	<i>Paonias excaecatus</i>	<i>Speyeria aphrodite</i>	<i>Bomolocha abalienalis</i>
<i>Lateroligia ophiogramma</i>	<i>Paonias myops</i>	<i>Spilosoma congrua</i>	<i>Bomolocha editalis</i>
<i>Lethe anthedon</i>	<i>Papaipema arctivorens</i>	<i>Spilosoma virginica</i>	<i>Bomolocha sordidula</i>
<i>Leucania commoides</i>	<i>Papaipema baptisiae</i>	<i>Spiramater lutra</i>	<i>Caenurgina erechtea</i>
<i>Leucania pseudargyria</i>	<i>Papaipema leucostigma</i>	<i>Spodoptera exigua</i>	<i>Callopistria cordata</i>
<i>Leuconycta diphteroides</i>	<i>Papaipema nebris</i>	<i>Spodoptera frugiperda</i>	<i>Campaea perlata</i>
<i>Leuconycta lepidula</i>	<i>Papilio cresphontes</i>	<i>Spragueia leo</i>	<i>Catocala abbreviatella</i>
<i>Lithacodes fasciola</i>	<i>Paraponyx maculalis</i>	<i>Striacosta albicosta</i>	<i>Catocala amatrix</i>
<i>Loxostege sticticalis</i>	<i>Peridroma saucia</i>	<i>Tampa dimidiata</i>	<i>Catocala cara</i>
<i>Lycophotia phyllophora</i>	<i>Perigea xanthoides</i>	<i>Tarachidia binocula</i>	<i>Catocala cerogama</i>
<i>Macaria eremita</i>	<i>Pero honestaria</i>	<i>Telea polyphemus</i>	<i>Catocala coccinata</i>
<i>Macaria orillata</i>	<i>Pheosia rimosa</i>	<i>Thaumatomis pexella</i>	<i>Catocala concumbens</i>
<i>Macrochilo absorptalis</i>	<i>Phlogophora iris</i>	<i>Tortricidia testacea</i>	<i>Catocala ilia</i>
<i>Macrochilo hypocrita</i>	<i>Phlogophora periculosa</i>	<i>Trachea delicata</i>	<i>Catocala micronympha</i>
<i>Macrochilo louisiana</i>	<i>Plagiomimicus pityochromus</i>	<i>Tricholita notata</i>	<i>Catocala neogama</i>
<i>Macrochilo orciferalis</i>	<i>Plagodis fervidaria</i>	<i>Tricholita signata</i>	<i>Catocala residua</i>
<i>Macrurocampa marthesia</i>	<i>Plagodis kuetzingi</i>	<i>Trichoplusia ni</i>	<i>Catocala reecta</i>
<i>Megalographa biloba</i>	<i>Plathypena scabra</i>	<i>Trichordestra legitima</i>	<i>Catocala ultronica</i>
<i>Melanchra picta</i>	<i>Plusia contexta</i>	<i>Ulolonche modesta</i>	<i>Celaena reniformis</i>
<i>Melanchra pulverulenta</i>	<i>Polites origenes</i>	<i>Xestia c-nigrum</i>	<i>Cerma cerintha</i>
<i>Meropleon ambifusca</i>	<i>Polygonia progne</i>	<i>Xestia dolosa</i>	<i>Chlorochlamys chloroleucari</i>
<i>Metanema inatomaria</i>	<i>Polygrammate hebraicum</i>	<i>Xestia normaniana</i>	<i>Choephora fungorum</i>
<i>Metarranthis hypocharria</i>	<i>Probola amicaria</i>	<i>Zale galbanata</i>	<i>Chytonix palliatricula</i>
<i>Morrisonia evicta</i>	<i>Prolimacodes badia</i>	<i>Zale lunata</i>	<i>Cisseps fulvicollis</i>
<i>Morrisonia latex</i>	<i>Protolampra brunneicollis</i>	<i>Zale minerea</i>	<i>Condica vecors</i>
<i>Mythimna oxygala</i>	<i>Proxenus miranda</i>	<i>Zanclognatha laevigata</i>	<i>Cosmia calami</i>
<i>Mythimna unipuncta</i>	<i>Pseudeva purpurigera</i>	<i>Zanclognatha lituralis</i>	<i>Crambodes talidiformis</i>
<i>Nadata gibbosa</i>	<i>Pseudoheronassa bicarnea</i>	<i>Zanclognatha martha</i>	<i>Crambus agitatellus</i>
<i>Natada nasoni</i>	<i>Pseudoheronassa tenuicula</i>	<b>John A. Latsch</b>	<i>Cucullia asteroides</i>
<i>Nematocampa limbata</i>	<i>Pseudorthodes vecors</i>	<b>149</b>	<i>Datana angusii</i>
<i>Nephelodes minians</i>	<i>Pyrrhia umbra</i>	<i>Abagrotis alternata</i>	<i>Datana perspicua</i>
<i>Nerice bidentata</i>	<i>Rachiplusia ou</i>	<i>Acronicta americana</i>	<i>Desmia funeralis</i>
<i>Noctua pronuba</i>	<i>Raphia frater</i>	<i>Acronicta clarescens</i>	<i>Dichagyris accivitis</i>
<i>Ochropleura implecta</i>	<i>Renia discoloralis</i>	<i>Acronicta morula</i>	<i>Enargia decolor</i>
<i>Odontosia elegans</i>	<i>Satyrium edwardsii</i>	<i>Adita chionanthi</i>	<i>Euchaetes egle</i>
<i>Ogdoconta cinereola</i>	<i>Satyrium falacer</i>	<i>Agrotis ipsilon</i>	<i>Euclea delphinii</i>
<i>Oligia chlorostigma</i>	<i>Satyrium titus</i>	<i>Alypia octomaculata</i>	<i>Eudryas grata</i>
<i>Oligia fractilinea</i>	<i>Schinia arcigera</i>	<i>Amphipoea americana</i>	<i>Eulithis diversilineata</i>
<i>Oligia illocata</i>	<i>Schinia lucens</i>	<i>Amphipyra pyramidoides</i>	<i>Euplexia benesimilis</i>
<i>Oligia mactata</i>	<i>Schinia lynx</i>	<i>Amphipyra tragopoginis</i>	<i>Euxoa Immixta</i>
<i>Oligia minuscula</i>	<i>Schinia nundina</i>	<i>Anagrapha falcifera</i>	<i>Euxoa tessellata</i>
<i>Oligia modica</i>	<i>Schinia oleagina</i>	<i>Anaplectoides prasina</i>	<i>Euxoa velleripennis</i>
<i>Oligocentria lignicolor</i>	<i>Schinia rivulosa</i>	<i>Anathix ralla</i>	<i>Faronta diffusa</i>
<i>Oligocentria semirufescens</i>	<i>Schinia septentrionalis</i>	<i>Anicla (Euagrotis) illapsa</i>	<i>Feltia geniculata</i>
<i>Orgyia leucostigma</i>	<i>Schinia trifascia</i>	<i>Anisota senatoria</i>	<i>Feltia herilis</i>
<i>Orthodes cynica</i>	<i>Schizura ipomoeae</i>	<i>Anterastria teratophora</i>	<i>Feltia jaculifera</i>
<i>Orthonama centrostrigaria</i>	<i>Schizura unicornis</i>	<i>Anticlea multiferata</i>	<i>Feltia subgothica</i>
<i>Orthonama obstipata</i>	<i>Scopula inductata</i>	<i>Apamea amputatrix</i>	<i>Gluphisia septentrionalis</i>
<i>Ostrinia nubilalis</i>	<i>Scopula limboundata</i>	<i>Apamea devastator</i>	<i>Grammia phyllira</i>
<i>Packardia geminata</i>	<i>Semiothisa orillata</i>	<i>Apamea helva</i>	<i>Helicoverpa zea</i>
<i>Panopoda carneicosta</i>	<i>Sideridis rosea</i>	<i>Apamea relicina</i>	<i>Hemaris thysbe</i>

<i>Holomelina aurantiaca</i>	<i>Rachiplusia ou</i>	<i>Crambidia casta</i>	<i>Lithacodia albidula</i>
<i>Hyphantria cunea</i>	<i>Raphia frater</i>	<i>Crambidia pallida</i>	<i>Lithacodia muscosula</i>
<i>Hypoprepia fucosa</i>	<i>Renia discoloralis</i>	<i>Cryptocala acadiensis</i>	<i>Lithacodia synochitis</i>
<i>Idia aemula</i>	<i>Schinia arcigera</i>	<i>Ctenucha virginica</i>	<i>Lomanaltes eductalis</i>
<i>Idia americalis</i>	<i>Schinia lynx</i>	<i>Diachrysia aeroides</i>	<i>Lymantria dispar</i>
<i>Isia isabella</i>	<i>Schinia nundina</i>	<i>Diaris jucunda</i>	<i>Macrochilo litophora</i>
<i>Lacinipolia implicata</i>	<i>Schinia rivulosa</i>	<i>Drepana arcuata</i>	<i>Melanchra adjuncta</i>
<i>Lacinipolia lorea</i>	<i>Schinia trifascia</i>	<i>Drepana bilineata</i>	<i>Nadata gibbosa</i>
<i>Lacinipolia meditata</i>	<i>Schizura ipomoeae</i>	<i>Dysstroma citrata</i>	<i>Nematocampa limbata</i>
<i>Lacinipolia renigera</i>	<i>Scopula inductata</i>	<i>Dysstroma suspectata</i>	<i>Nephelodes minians</i>
<i>Lambdina fervidaria</i>	<i>Semiothisa orillata</i>	<i>Eilema bicolor</i>	<i>Noctua pronuba</i>
<i>Lateroligia ophiogramma</i>	<i>Smerinthus jamaicensis</i>	<i>Elaphria versicolor</i>	<i>Ochropleura plecta</i>
<i>Leucania commooides</i>	<i>Spiramater lutra</i>	<i>Enargia infumata</i>	<i>Oligia semicana</i>
<i>Leuconycta lepidula</i>	<i>Spodoptera exigua</i>	<i>Epirrhoe alternata</i>	<i>Oligocentria lignicolor</i>
<i>Lithacodes fasciola</i>	<i>Tortricidia testacea</i>	<i>Epirrita autumnata henshawi</i>	<i>Orthodes cynica</i>
<i>Lycophotia phyllophora</i>	<i>Tricholita signata</i>	<i>Euagrotis forbesi</i>	<i>Panthea acronyctoides</i>
<i>Megalographa biloba</i>	<i>Trichoplusia ni</i>	<i>Euchlaena muzaria</i>	<i>Papaipema unimoda</i>
<i>Metarranthis hypochraria</i>	<i>Trichordestra legitima</i>	<i>Eueretagrotis attenta</i>	<i>Peridea ferruginea</i>
<i>Morrisonia evicta</i>	<i>Xestia c-nigrum</i>	<i>Eueretagrotis perattenta</i>	<i>Phalaenostola eumelusalis</i>
<i>Morrisonia latex</i>	<i>Xestia normaniana</i>	<i>Eueretagrotis sigmooides</i>	<i>Phalaenostola hanhami</i>
<i>Mythimna oxygala</i>	<i>Xestia smithii</i>	<i>Eulithis flavibrunneata</i>	<i>Phlogophora periculosa</i>
<i>Mythimna unipuncta</i>	<i>Zale minrea</i>	<i>Eulithis serrataria</i>	<i>Platarctia parthenos</i>
<i>Nadata gibbosa</i>	<b>Judge C.R. Magney</b>	<i>Eumacaria latiferrugata</i>	<i>Polia detracta</i>
<i>Nedra ramosula</i>	<b>142</b>	<i>Eurois astricta</i>	<i>Polia imbrifera</i>
<i>Nematocampa limbata</i>	<i>Achatodes zae</i>	<i>Eurois occulta</i>	<i>Polia nimbosa</i>
<i>Nephelodes minians</i>	<i>Acronicta dactylina</i>	<i>Euxoa servita</i>	<i>Polia purpurissata</i>
<i>Noctua pronuba</i>	<i>Acronicta exilis</i>	<i>Feltia herilis</i>	<i>Prochoerodes transversata</i>
<i>Ochropleura implecta</i>	<i>Acronicta innotata</i>	<i>Feltia jaculifera</i>	<i>Proxenus miranda</i>
<i>Ogdoconta cinereola</i>	<i>Acronicta superans</i>	<i>Feltia mollis</i>	<i>Pseudehermonassa bicarnea</i>
<i>Oligocentria lignicolor</i>	<i>Agrotis gladiaria</i>	<i>Feltia subgothica</i>	<i>Pseudehermonassa tenuicula</i>
<i>Orgyia leucostigma</i>	<i>Agrotis venerabilis</i>	<i>Feltia tricosa</i>	<i>Raphia frater</i>
<i>Orthodes cynica</i>	<i>Aletia oxygala</i>	<i>Feralia comstocki</i>	<i>Renia discoloralis</i>
<i>Orthonama centrostrigaria</i>	<i>Anaplectoides prasina</i>	<i>Gluphisia septentrionalis</i>	<i>Rivula propinqualis</i>
<i>Orthonama obstipata</i>	<i>Anaplectoides pressus</i>	<i>Grammia parthenice</i>	<i>Schizura ipomoeae</i>
<i>Panopoda rufimargo</i>	<i>Anicla (Euagrotis) forbesi</i>	<i>Graphiphora augur</i>	<i>Schizura leptinoides</i>
<i>Paonias excaecatus</i>	<i>Apamea alia</i>	<i>Haploa confusa</i>	<i>Schizura unicornis</i>
<i>Papaipema arctivorens</i>	<i>Apamea devastator</i>	<i>Heterocampa biundata</i>	<i>Sicya macularia</i>
<i>Papaipema leucostigma</i>	<i>Apamea dubitans</i>	<i>Holomelina laeta</i>	<i>Smerinthus geminatus</i>
<i>Papaipema nebris</i>	<i>Apamea sordens</i>	<i>Horisme intestinata</i>	<i>Sphinx canadensis</i>
<i>Paraponyx maculalis</i>	<i>Bellura diffusa</i>	<i>Hydriomena renunciata</i>	<i>Sphinx kalmiae</i>
<i>Peridroma saucia</i>	<i>Bellura obliqua</i>	<i>Hypagyrtis unipunctata</i>	<i>Sphinx poecila</i>
<i>Perigea xanthioides</i>	<i>Biston betularia</i>	<i>Hypoprepia fucosa</i>	<i>Syngrapha selecta</i>
<i>Pero honestaria</i>	<i>Bleptina caradrinalis</i>	<i>Hyppa xylinoides</i>	<i>Tortricidia pallida</i>
<i>Phlogophora periculosa</i>	<i>Brachylomia algens</i>	<i>Idia aemula</i>	<i>Tortricidia testacea</i>
<i>Plagodis fervidaria</i>	<i>Calpe canadensis</i>	<i>Idia americalis</i>	<i>Xanthorhoe lacustrata</i>
<i>Plagodis kuetzingi</i>	<i>Campaea perlata</i>	<i>Itame julia</i>	<i>Xestia badicollis</i>
<i>Plathypena scabra</i>	<i>Caripeta divisata</i>	<i>Lacinipolia lorea</i>	<i>Xestia c-nigrum</i>
<i>Protolampra brunneicollis</i>	<i>Catocala ultronia</i>	<i>Lacinipolia lustralis</i>	<i>Xestia dolosa</i>
<i>Protorthodes oviduca</i>	<i>Ceratomia undulosa</i>	<i>Lacinipolia meditata</i>	<i>Xestia normaniana</i>
<i>Proxenus miranda</i>	<i>Chortodes defecta</i>	<i>Lacinipolia olivacea</i>	<i>Xestia smithii</i>
<i>Pseudohermonassa bicarnea</i>	<i>Chytolita petrealis</i>	<i>Lacinipolia renigera</i>	<i>Xylomoia chagnoni</i>
<i>Pseudorthodes vecors</i>	<i>Chytonix palliatricula</i>	<i>Leucania commooides</i>	<i>Zale lunata</i>
	<i>Clemensia albata</i>	<i>Leucania multilinea</i>	

<i>Zanclognatha cruralis</i>	<i>Catocala sordida</i>	<i>Eumacaria latiferrugata</i>	<i>Lithophane thaxteri</i>
<i>Zanclognatha decepticalis</i>	<i>Catocala ultronia</i>	<i>Eupithecia palpata</i>	<i>Lobophora nivigerata</i>
<i>Zanclognatha jacchusalis</i>	<i>Catocala unijuga</i>	<i>Euplexia benesimilis</i>	<i>Lophocampa maculata</i>
<i>Zanclognatha litoralis</i>	<i>Celastrina ladon</i>	<i>Eupsilia sidus</i>	<i>Lycaena epixanthe</i>
<i>Zanclognatha ochreipennis</i>	<i>Celastrina neglecta</i>	<i>Euxoa tessellata</i>	<i>Lycaena phlaeas</i>
<i>Zanclognatha protumnusalis</i>	<i>Ceratomia amyntor</i>	<i>Everes comyntas</i>	<i>Macrochilo absorptalis</i>
<i>Zanclognatha theralis</i>	<i>Ceratomia undulosa</i>	<i>Exyra fax</i>	<i>Macrochilo bivittata</i>
<b>St. Croix</b>	<i>Cercyonis pegala</i>	<i>Faronta diffusa</i>	<i>Macrochilo hypocritalis</i>
<b>249</b>	<i>Cerma cerintha</i>	<i>Faronta rubripennis</i>	<i>Macrochilo louisiana</i>
<i>Abagrotis alternata</i>	<i>Cerma cora</i>	<i>Feltia herilis</i>	<i>Macrochilo orciferalis</i>
<i>Acronicta grisea</i>	<i>Charadra deridens</i>	<i>Feltia jaculifera</i>	<i>Meganola minuscula</i>
<i>Acronicta impleta</i>	<i>Chloroclysta hersiliata</i>	<i>Feltia subgothica</i>	<i>Metalepsis fishii</i>
<i>Acronicta impressa</i>	<i>Chrysanthympha formosa</i>	<i>Feltia tricosa</i>	<i>Metalepsis salicarum</i>
<i>Acronicta lobeliae</i>	<i>Chytolita morbidalis</i>	<i>Feniseca tarquinius</i>	<i>Metanema determinata</i>
<i>Acronicta oblinita</i>	<i>Chytolita petrealis</i>	<i>Glaphisia septentrionalis</i>	<i>Metarranthis duaria</i>
<i>Acronicta superans</i>	<i>Chytonix palliatricula</i>	<i>Grammia celia</i>	<i>Metarranthis hypochraria</i>
<i>Actebia fennica</i>	<i>Clemensia albata</i>	<i>Grammia parthenice</i>	<i>Metarranthis indeclinata</i>
<i>Actias luna</i>	<i>Closteria albosigma</i>	<i>Grammia virgo</i>	<i>Nacophora quernaria</i>
<i>Agrotis volubilis</i>	<i>Closteria strigosa</i>	<i>Grammia virguncula</i>	<i>Nadata gibbosa</i>
<i>Amphipyra pyramidalis</i>	<i>Coenophila opacifrons</i>	<i>Hadena capsularis</i>	<i>Nephelodes minians</i>
<i>Anathix puta</i>	<i>Colias philodice</i>	<i>Harrisimemna trisignata</i>	<i>Neptynia canosaria</i>
<i>Anathix ralla</i>	<i>Crambidia pallida</i>	<i>Hemipachnobia monochrom</i>	<i>Ochropleura plecta</i>
<i>Anisota senatoria</i>	<i>Ctenucha virginica</i>	<i>Heptagrotis phyllophora</i>	<i>Odontosia elegans</i>
<i>Anisota virginiensis</i>	<i>Cucullia asteroides</i>	<i>Heterocampa biundata</i>	<i>Oeneis jutta</i>
<i>Apamea dubitans</i>	<i>Cycnia oregonensis</i>	<i>Heterocampa manteo</i>	<i>Oligia modica</i>
<i>Apantesis phalerata</i>	<i>Cycnia tenera</i>	<i>Hethemia pistascaria</i>	<i>Orgyia leucostigma</i>
<i>Apantesis vittata</i>	<i>Danaus plexippus</i>	<i>Holomelina ferruginosa</i>	<i>Orthodes cynica</i>
<i>Aplectoides condita</i>	<i>Darapsa pholus</i>	<i>Holomelina laeta</i>	<i>Pachypolia atricornis</i>
<i>Argyrostrotis anilis</i>	<i>Dasychira basiflava</i>	<i>Hyperaeschra georgica</i>	<i>Pachysphinx modesta</i>
<i>Autographa mappa</i>	<i>Dasychira cinnamomea</i>	<i>Hypercompe scribonia</i>	<i>Pangrapta decoralis</i>
<i>Automeris io</i>	<i>Dasychira dorsipennata</i>	<i>Hypoprepia fucosa</i>	<i>Panthea pallescens</i>
<i>Baileya ophthalmica</i>	<i>Dasychira obliquata</i>	<i>Hyppa xylinoides</i>	<i>Paonias myops</i>
<i>Bellura diffusa</i>	<i>Dasylophia anguina</i>	<i>Itame occiduaria</i>	<i>Papaipema eupatoria</i>
<i>Bellura gortynoides</i>	<i>Datana ministra</i>	<i>Itame pustularia</i>	<i>Papaipema harrisi</i>
<i>Besma endropiaria</i>	<i>Diarsia rubifera</i>	<i>Junonia coenia</i>	<i>Papaipema impecuniosa</i>
<i>Besma quercivoraria</i>	<i>Dolba hyloeus</i>	<i>Lacanobia atlantica</i>	<i>Papaipema inquaesita</i>
<i>Bomolocha baltimoralis</i>	<i>Dryocampa rubicunda</i>	<i>Lacanobia grandis</i>	<i>Papaipema leucostigma</i>
<i>Brachylomia algens</i>	<i>Elaphria festivoides</i>	<i>Lacinipolia lustralis</i>	<i>Papaipema nepheleptena</i>
<i>Callophrys augustinus</i>	<i>Elaphria versicolor</i>	<i>Lacinipolia meditata</i>	<i>Papaipema unimoda</i>
<i>Callophrys niphon</i>	<i>Enodia anthedon</i>	<i>Lacinipolia olivacea</i>	<i>Papilio canadensis</i>
<i>Callopistria mollissima</i>	<i>Epargyreus clarus</i>	<i>Lacinipolia renigera</i>	<i>Paradiarsia littoralis</i>
<i>Capis curvata</i>	<i>Epiglaea apiata</i>	<i>Lambdina fervidaria</i>	<i>Peridea ferruginea</i>
<i>Catocala antinympha</i>	<i>Epirrita autumnata henshawi</i>	<i>Ledaea perditalis</i>	<i>Phalaenostola metonalis</i>
<i>Catocala blandula</i>	<i>Erynnis icelus</i>	<i>Lemmeria digitalis</i>	<i>Pheosia rimosa</i>
<i>Catocala briseis</i>	<i>Erynnis juvenalis</i>	<i>Leucania insueta</i>	<i>Phlogophora iris</i>
<i>Catocala coccinata</i>	<i>Estigmene acrea</i>	<i>Leucania linita</i>	<i>Phyllodesma americana</i>
<i>Catocala concumbens</i>	<i>Euchaetes egle</i>	<i>Leucania multilinea</i>	<i>Plagodis serinaria</i>
<i>Catocala gracilis</i>	<i>Euchlaena irraria</i>	<i>Lithacodia bellicula</i>	<i>Platarctia parthenos</i>
<i>Catocala grynea</i>	<i>Euchloe olympia</i>	<i>Lithacodia muscosula</i>	<i>Pleuroprucha insulsaria</i>
<i>Catocala ilia</i>	<i>Eucirroedia pampina</i>	<i>Lithophane antennata</i>	<i>Plusia putnami</i>
<i>Catocala lineela</i>	<i>Euclidea cuspidea</i>	<i>Lithophane baileyi</i>	<i>Poanes hobomok</i>
<i>Catocala relicta</i>	<i>Eudryas grata</i>	<i>Lithophane groteri</i>	<i>Polia nimbosa</i>
<i>Catocala similis</i>	<i>Eudryas unio</i>	<i>Lithophane pexata</i>	<i>Polia purpurissata</i>

<i>Probola alienaria</i>	<i>Acronicta hasta</i>	<i>Deidamia inscripta</i>	<i>Limenitis archippus</i>
<i>Prochoerodes transversata</i>	<i>Actias luna</i>	<i>Diachrysia aeroides</i>	<i>Limenitis arthemis</i>
<i>Protorthodes oviduca</i>	<i>Agrotis venerabilis</i>	<i>Enargia infumata</i>	<i>Lithacodia albidula</i>
<i>Pseudohermenassa tenuicula</i>	<i>Agrotis ypsilon</i>	<i>Enargia mephisto</i>	<i>Lithacodia bellicula</i>
<i>Pyreferra citromba</i>	<i>Aletia oxygala</i>	<i>Ennomos subsignaria</i>	<i>Lithacodia muscosula</i>
<i>Raphia frater</i>	<i>Amphyipyra pyramidalis</i>	<i>Enodia anthedon</i>	<i>Lithacodia synochitis</i>
<i>Satyrium falacer</i>	<i>Anaplectoides prasina</i>	<i>Epirrhoe alternata</i>	<i>Lophocampa maculata</i>
<i>Satyrium titus</i>	<i>Anaplectoides pressus</i>	<i>Epirrita autumnata henshawi</i>	<i>Lycaena phlaeas</i>
<i>Satyrodes eurydice</i>	<i>Ancyloxypha numitor</i>	<i>Erynnis icelus</i>	<i>Macrochilo bivittata</i>
<i>Schinia arcigera</i>	<i>Apamea amputatrix</i>	<i>Eueretagrotis attenta</i>	<i>Macrochilo hypocritalis</i>
<i>Schinia florida</i>	<i>Apamea devastator</i>	<i>Eueretagrotis perattenta</i>	<i>Megisto cymela</i>
<i>Schinia lynx</i>	<i>Apamea dubitans</i>	<i>Euphyes vestris metacomet</i>	<i>Melanchra adjuncta</i>
<i>Schizura unicornis</i>	<i>Apamea lignicolora</i>	<i>Euplexia benesimilis</i>	<i>Melanchra assimilis</i>
<i>Scopula inductata</i>	<i>Apamea verbascoides</i>	<i>Eurois occulta</i>	<i>Nephelodes minians</i>
<i>Sericaglaea sericea</i>	<i>Apantesis phalerata</i>	<i>Euxoa tessellata</i>	<i>Noctua pronuba</i>
<i>Simyra henrici</i>	<i>Apoda y-inversum</i>	<i>Everes comyntas</i>	<i>Notodontia scitipennis</i>
<i>Smerinthus cerisyi</i>	<i>Automeris io</i>	<i>Faronta diffusa</i>	<i>Nymphalis antiopa</i>
<i>Smerinthus geminatus</i>	<i>Bellura diffusa</i>	<i>Feltia herilis</i>	<i>Nymphalis vau-album</i>
<i>Spaelotis clandestina</i>	<i>Bellura obliqua</i>	<i>Feltia jaculifera</i>	<i>Odontosia elegans</i>
<i>Spartiniphaga inops</i>	<i>Bleptina caradrinalis</i>	<i>Feltia mollis</i>	<i>Oligia fractilinea</i>
<i>Sphinx kalmiae</i>	<i>Boloria selene</i>	<i>Feltia subgothica</i>	<i>Orgyia leucostigma</i>
<i>Sphinx poecila</i>	<i>Bomolocha baltimorensis</i>	<i>Glaphisia septentrionalis</i>	<i>Orthodes cynica</i>
<i>Spilosoma congrua</i>	<i>Brachylomia algens</i>	<i>Grammia celia</i>	<i>Orthonama centrostrigaria</i>
<i>Spilosoma virginica</i>	<i>Caenurgina crassiuscula</i>	<i>Grammia parthenice</i>	<i>Orthosia hibisci</i>
<i>Strymon melinus</i>	<i>Caenurgina erechtea</i>	<i>Grammia virgo</i>	<i>Pachysphinx modesta</i>
<i>Sunira bicolorago</i>	<i>Calpe canadensis</i>	<i>HabroSYne gloriosa</i>	<i>Paonias excaecatus</i>
<i>Symmerista albifrons</i>	<i>Campaea perlata</i>	<i>HabroSYne scripta</i>	<i>Paonias myops</i>
<i>Syngrapha alias</i>	<i>Capis curvata</i>	<i>Hadena capsularis</i>	<i>Papilio canadensis</i>
<i>Syngrapha rectangula</i>	<i>Caripeta divisata</i>	<i>Haploa lecontei</i>	<i>Paradiarsia littoralis</i>
<i>Tarachidia candefacta</i>	<i>Carterocephalus palaemon</i>	<i>Heliothis zea</i>	<i>Pero morrisonaria</i>
<i>Tarachidia erastrioides</i>	<i>Catocala briseis</i>	<i>Heptagrotis phyllophora</i>	<i>Petrophora subaequaria</i>
<i>Telea polyphemus</i>	<i>Catocala concumbens</i>	<i>Hesperia sassacus</i>	<i>Phalaenostola metonalis</i>
<i>Thorybes pylades</i>	<i>Catocala grynea</i>	<i>Heterocampa biundata</i>	<i>Pheosia rimosia</i>
<i>Thymelicus lineola</i>	<i>Catocala relicta</i>	<i>Heterocampa manteo</i>	<i>Phlogophora iris</i>
<i>Tolype laricis</i>	<i>Catocala semirelicta</i>	<i>Holomelina ferruginosa</i>	<i>Phlogophora periculosa</i>
<i>Tolype vellada</i>	<i>Catocala unijuga</i>	<i>Holomelina laeta</i>	<i>Phyciodes batesii</i>
<i>Tortricidia flexuosa</i>	<i>Celastrina ladon</i>	<i>Hypoprepia fucosa</i>	<i>Phyciodes selenis</i>
<i>Tricholita signata</i>	<i>Celastrina lucia</i>	<i>Idia aemula</i>	<i>Phyciodes tharos</i>
<i>Ullonche culea</i>	<i>Celastrina neglecta</i>	<i>Idia americalis</i>	<i>Phyllodesma americana</i>
<i>Ullonche modesta</i>	<i>Ceratomia undulosa</i>	<i>Idia lubricalis</i>	<i>Pieris rapae</i>
<i>Wallengrenia egeremet</i>	<i>Cercyonis pegala</i>	<i>Junonia coenia</i>	<i>Platypolia anceps</i>
<i>Xestia badicollis</i>	<i>Chlosyne nycteis</i>	<i>Lacanobia grandis</i>	<i>Poanes hobomok</i>
<i>Xestia normaniana</i>	<i>Cladara atroliturata</i>	<i>Lacanobia radix</i>	<i>Polia imbrifera</i>
<i>Xestia youngii</i>	<i>Clemensia albata</i>	<i>Lacinipolia lorea</i>	<i>Polia nimbosa</i>
<i>Zale lunata</i>	<i>Clostera apicalis</i>	<i>Lacinipolia lustralis</i>	<i>Polia purpurissata</i>
<i>Zanclognatha martha</i>	<i>Colias philodice</i>	<i>Lacinipolia meditata</i>	<i>Polites coras</i>
<b>Temperance River</b>	<i>Colocasia flavidornis</i>	<i>Lacinipolia olivacea</i>	<i>Polites mystic</i>
<b>199</b>	<i>Crambida casta</i>	<i>Lacinipolia renigera</i>	<i>Polites themistocles</i>
<i>Abagrotis alternata</i>	<i>Crambida pallida</i>	<i>Leucania inermis</i>	<i>Polygonia comma</i>
<i>Acronicta dactylina</i>	<i>Crocigrapha normani</i>	<i>Leucania insueta</i>	<i>Polygonia interrogationis</i>
<i>Acronicta fragilis</i>	<i>Ctenucha virginica</i>	<i>Leucania multilinea</i>	<i>Polygonia progne</i>
<i>Acronicta funeralis</i>	<i>Danaus plexippus</i>	<i>Leucania phragmatidicola</i>	<i>Probola alienaria</i>
<i>Acronicta grisea</i>	<i>Darapsa pholus</i>	<i>Leuconycta diphteroides</i>	<i>Proxenus miranda</i>

<i>Pseudeva purpurigera</i>	<i>Acronicta superans</i>	<i>Boloria selene</i>	<i>Cucullia florea</i>
<i>Pseudohermonassa tenuicula</i>	<i>Acronicta tritona</i>	<i>Bomolocha abalienalis</i>	<i>Cyclophora pendulinaria</i>
<i>Pseudothyatira cymatophoro</i>	<i>Actebia fennica</i>	<i>Bomolocha balmoralis</i>	<i>Cycnia oregonensis</i>
<i>Rapha frater</i>	<i>Actias luna</i>	<i>Bomolocha manalis</i>	<i>Danaus plexippus</i>
<i>Renia flavipunctalis</i>	<i>Agrotis gladiaria</i>	<i>Brachylomia algens</i>	<i>Darapsa pholus</i>
<i>Rivula propinquialis</i>	<i>Agrotis mollis</i>	<i>Cabera erythema</i>	<i>Dasychira cinnamomea</i>
<i>Schinia florida</i>	<i>Agrotis venerabilis</i>	<i>Caenurgina crassiuscula</i>	<i>Dasychira dorsipennata</i>
<i>Schizura ipomoeae</i>	<i>Agrotis ypsilon</i>	<i>Caenurgina erechtea</i>	<i>Dasylophia anguina</i>
<i>Schizura unicornis</i>	<i>Aletia oxygala</i>	<i>Callophrys augustinus</i>	<i>Datana ministra</i>
<i>Semiothisa ulsterata</i>	<i>Amblyscirtes vialis</i>	<i>Callopistria cordata</i>	<i>Deidamia inscripta</i>
<i>Smerinthus cerisyi</i>	<i>Amphion nessus</i>	<i>Calpe canadensis</i>	<i>Diachrysia aerooides</i>
<i>Smerinthus geminatus</i>	<i>Amphipoea americana</i>	<i>Campaea perlata</i>	<i>Diarsia dislocata</i>
<i>Speyeria aphrodite</i>	<i>Amphipoea velata</i>	<i>Capis curvata</i>	<i>Diarsia jucunda</i>
<i>Speyeria atlantis</i>	<i>Amphyipyra pyramidalis</i>	<i>Caripeta divisata</i>	<i>Diarsia rosaria</i>
<i>Speyeria cybele krautwurmi</i>	<i>Anagoga occiduaria</i>	<i>Carterocephalus palaemon</i>	<i>Drepana arcuata</i>
<i>Sphinx kalmiae</i>	<i>Anaplectoides prasina</i>	<i>Catocala briseis</i>	<i>Drepana bilineata</i>
<i>Sphinx poecila</i>	<i>Anaplectoides pressus</i>	<i>Catocala concumbens</i>	<i>Dryocampa rubicunda</i>
<i>Spilosoma congrua</i>	<i>Anathix aggressa</i>	<i>Catocala gracilis</i>	<i>Eilema bicolor</i>
<i>Spodoptera frugiperda</i>	<i>Anathix puta</i>	<i>Catocala grynea</i>	<i>Elaphria festivoides</i>
<i>Sunira bicolorago</i>	<i>Anathix ralla</i>	<i>Catocala relicta</i>	<i>Elaphria versicolor</i>
<i>Synanthedon exitiosa</i>	<i>Ancyloxypha numitor</i>	<i>Catocala semirelicta</i>	<i>Enargia decolor</i>
<i>Telea polyphemus</i>	<i>Anhimella contrahens</i>	<i>Catocala sordida</i>	<i>Enargia infumata</i>
<i>Tetracis crocallata</i>	<i>Anicla (Euagrotis) forbesi</i>	<i>Catocala ultronia</i>	<i>Enargia mephisto</i>
<i>Thymelicus lineola</i>	<i>Anicla (Euagrotis) illapsa</i>	<i>Celaena reniformis</i>	<i>Ennomos subsignaria</i>
<i>Tortricidia pallida</i>	<i>Apamea alia</i>	<i>Celastrina ladon</i>	<i>Epiglaea apiata</i>
<i>Vanessa atalanta</i>	<i>Apamea amputatrix</i>	<i>Celastrina lucia</i>	<i>Epiglaea decliva</i>
<i>Vanessa virginianensis</i>	<i>Apamea cogitata</i>	<i>Celastrina neglecta</i>	<i>Epirhoe alternata</i>
<i>Wallengrenia egeremet</i>	<i>Apamea devastator</i>	<i>Ceratomia undulosa</i>	<i>Epirrita autumnata henshawi</i>
<i>Xanthia togata</i>	<i>Apamea dubitans</i>	<i>Cerma cerintha</i>	<i>Erynnis icelus</i>
<i>Xanthorhoe munitata</i>	<i>Apamea helva</i>	<i>Cerma cora</i>	<i>Estigmene acrea</i>
<i>Xanthotype urticaria</i>	<i>Apamea lateritia</i>	<i>Charadra deridens</i>	<i>Eucirroedia pampina</i>
<i>Xestia normaniana</i>	<i>Apamea lignicolora</i>	<i>Chortodes defecta</i>	<i>Euclidea cuspidea</i>
<i>Xestia smithii</i>	<i>Apamea niveivenosa</i>	<i>Chortodes inquinata</i>	<i>Eudryas grata</i>
<i>Xylomoia chagnoni</i>	<i>Apamea ophiogramma</i>	<i>Chrysanthympha formosa</i>	<i>Eudryas unio</i>
<i>Zale lunata</i>	<i>Apamea sordens</i>	<i>Chytolita morbidalis</i>	<i>Eueretagrotis attenta</i>
<b>Tettegouche</b>	<i>Apamea verbascoides</i>	<i>Chytolita petrealis</i>	<i>Eueretagrotis perattenta</i>
<b>431</b>	<i>Apamea vultuosa</i>	<i>Chytomix palliatricula</i>	<i>Eueretagrotis sigmoides</i>
<i>Abagrotis alternata</i>	<i>Apantesis phalerata</i>	<i>Cisseps fulvicollis</i>	<i>Eulithis serrataria</i>
<i>Abagrotis brunneipennis</i>	<i>Apharetra dentata</i>	<i>Cladara atroliturata</i>	<i>Eulithis xyloina</i>
<i>Abagrotis cupida</i>	<i>Aplectoides condita</i>	<i>Clemensia albata</i>	<i>Euphyes vestris metacomet</i>
<i>Abagrotis placida</i>	<i>Apoda y-inversum</i>	<i>Closteria albosigma</i>	<i>Eupithecia palpata</i>
<i>Acontia aprica</i>	<i>Autographa ampla</i>	<i>Closteria apicalis</i>	<i>Euplexia benesimilis</i>
<i>Acronicta americana</i>	<i>Autographa bimaculata</i>	<i>Closteria strigosa</i>	<i>Eupsilia devia</i>
<i>Acronicta dactylina</i>	<i>Autographa flagellum</i>	<i>Coenophila opacifrons</i>	<i>Eupsilia sidus</i>
<i>Acronicta fragilis</i>	<i>Autographa precatonis</i>	<i>Colocasia flavidornis</i>	<i>Eupsilia vinulenta</i>
<i>Acronicta funeralis</i>	<i>Automeris io</i>	<i>Condica vecors</i>	<i>Eurois astricta</i>
<i>Acronicta grisea</i>	<i>Baileya doubledayi</i>	<i>Cosmia calamii</i>	<i>Eurois occulta</i>
<i>Acronicta haesitata</i>	<i>Baileya ophthalmica</i>	<i>Crambidia casta</i>	<i>Euxoa comosa</i>
<i>Acronicta impleta</i>	<i>Bellura diffusa</i>	<i>Crambidia pallida</i>	<i>Euxoa intrita</i>
<i>Acronicta laetifica</i>	<i>Bellura obliqua</i>	<i>Crocigrapha normani</i>	<i>Euxoa mimallonis</i>
<i>Acronicta oblinita</i>	<i>Besma quercivoraria</i>	<i>Cryptocala acadiensis</i>	<i>Euxoa ochrogaster</i>
<i>Acronicta quadrata</i>	<i>Biston betularia</i>	<i>Ctenucha virginica</i>	<i>Euxoa ontario</i>
<i>Acronicta radcliffei</i>	<i>Bleptina caradrinalis</i>	<i>Cucullia asteroides</i>	<i>Euxoa perpolita</i>

<i>Euxoa servita</i>	<i>Lacanobia grandis</i>	<i>Nepytia canosaria</i>	<i>Poanes hobomok</i>
<i>Euxoa tessellata</i>	<i>Lacanobia subjuncta</i>	<i>Nerice bidentata</i>	<i>Polia distracta</i>
<i>Everes comyntas</i>	<i>Lacinipolia anguina</i>	<i>Noctua pronuba</i>	<i>Polia goodelli</i>
<i>Exyra fax</i>	<i>Lacinipolia lorea</i>	<i>Notodonta scitipennis</i>	<i>Polia imbrifera</i>
<i>Fagitana littera</i>	<i>Lacinipolia lustralis</i>	<i>Nymphalis antiopa</i>	<i>Polia nimbosa</i>
<i>Faronta diffusa</i>	<i>Lacinipolia meditata</i>	<i>Nymphalis vau-album</i>	<i>Polia purpurissata</i>
<i>Feltia herilis</i>	<i>Lacinipolia olivacea</i>	<i>Ochropleura plecta</i>	<i>Polites coras</i>
<i>Feltia jaculifera</i>	<i>Lacinipolia renigera</i>	<i>Odontosia elegans</i>	<i>Polites mystic</i>
<i>Feltia mollis</i>	<i>Lambdina fervidaria</i>	<i>Oligia fractilinea</i>	<i>Polites origenes</i>
<i>Feltia subgothica</i>	<i>Lambdina fiscellaria</i>	<i>Oligia illocata</i>	<i>Polygonia comma</i>
<i>Feltia tricosa</i>	<i>Ledaea perditalis</i>	<i>Oligia mactata</i>	<i>Polygonia interrogationis</i>
<i>Feralia comstocki</i>	<i>Lemmeria digitalis</i>	<i>Oligia modica</i>	<i>Probole alienaria</i>
<i>Galgula partita</i>	<i>Leucania commoides</i>	<i>Oligocentria lignicolor</i>	<i>Prolimacodes badia</i>
<i>Gluphisia avimacula</i>	<i>Leucania inermis</i>	<i>Oligocentria semirufescens</i>	<i>Protolampra rufippectus</i>
<i>Gluphisia lintneri</i>	<i>Leucania insueta</i>	<i>Orgyia leucostigma</i>	<i>Protorthodes oviduca</i>
<i>Gluphisia septentrionalis</i>	<i>Leucania linita</i>	<i>Orthodes cynica</i>	<i>Proxenus miranda</i>
<i>Grammia celia</i>	<i>Leucania multilinea</i>	<i>Orthonama centrostrigaria</i>	<i>Pseudeva purpurigera</i>
<i>Grammia parthenice</i>	<i>Leucania phragmatidicola</i>	<i>Orthosia hibisci</i>	<i>Pseudohermonassa tenuicula</i>
<i>Grammia phyllira</i>	<i>Leucania ursula</i>	<i>Orthosia rubescens</i>	<i>Pseudothordes vecors</i>
<i>Grammia virgo</i>	<i>Limenitis archippus</i>	<i>Pachysphinx modesta</i>	<i>Pseudothyatira cymatophoro</i>
<i>Graphiphora augur</i>	<i>Limenitis arthemis</i>	<i>Pangrpta decoralis</i>	<i>Raphia frater</i>
<i>Habrosyne scripta</i>	<i>Lithacodia albidula</i>	<i>Panthea acronyctoides</i>	<i>Renia discoloralis</i>
<i>Haploa confusa</i>	<i>Lithacodia bellicula</i>	<i>Panthea furcilla</i>	<i>Renia flavipunctalis</i>
<i>Haploa lecontei</i>	<i>Lithacodia muscosa</i>	<i>Paonias excaecatus</i>	<i>Rheumaptera undulata</i>
<i>Harrisimemna trisignata</i>	<i>Lithacodia synochitis</i>	<i>Papaipema eupatorii</i>	<i>Rivula propinqualis</i>
<i>Heliothis zea</i>	<i>Litholomia napaea</i>	<i>Papaipema impecuniosa</i>	<i>Satyrodes eurydice</i>
<i>Hemipachnobia monochrom</i>	<i>Lithomoia germana</i>	<i>Papaipema leucostigma</i>	<i>Schinia arcigera</i>
<i>Heptagrotis phyllophora</i>	<i>Lithophane fagina</i>	<i>Papaipema nepheleptena</i>	<i>Schinia florida</i>
<i>Hesperia sassacus</i>	<i>Lithophane pexata</i>	<i>Papaipema unimoda</i>	<i>Schinia lynx</i>
<i>Heterocampa biundata</i>	<i>Lomanaltes eductalis</i>	<i>Papilio canadensis</i>	<i>Schizura ipomoeae</i>
<i>Heterocampa manteo</i>	<i>Lophocampa maculata</i>	<i>Papilio polyxenes</i>	<i>Schizura leptinoides</i>
<i>Heterocampa obliqua</i>	<i>Lycaena phlaeas</i>	<i>Paradiarsia littoralis</i>	<i>Schizura unicornis</i>
<i>Hillia iris</i>	<i>Lymantria dispar</i>	<i>Peridea angulosa</i>	<i>Scoloptyyx libatrix</i>
<i>Holomelina ferruginosa</i>	<i>Machrochilo orciferalis</i>	<i>Peridea basitriens</i>	<i>Selenia alciphearia</i>
<i>Holomelina laeta</i>	<i>Macrochilo absorptalis</i>	<i>Peridea ferruginea</i>	<i>Semiothisa oweni</i>
<i>Hyalophora columbia</i>	<i>Macrochilo bivittata</i>	<i>Peridroma saucia</i>	<i>Sideridis maryx</i>
<i>Hydriomena divisaria</i>	<i>Macrochilo hypocritalis</i>	<i>Perizoma basaliata</i>	<i>Sideridis rosea</i>
<i>Hyles lineata</i>	<i>Macrochilo litophora</i>	<i>Pero morrisonaria</i>	<i>Simyra henrici</i>
<i>Hypagyrtis piniata</i>	<i>Macronoctua onusta</i>	<i>Petrophora subaequaria</i>	<i>Smerinthus cerisyi</i>
<i>Hypena humuli</i>	<i>Magusa orbifera</i>	<i>Phalaenostola hanhami</i>	<i>Smerinthus geminatus</i>
<i>Hypenodes caducus</i>	<i>Maliattha concinnimacula</i>	<i>Phalaenostola metonalis</i>	<i>Smerinthus jamaicensis</i>
<i>Hypenodes fractilinea</i>	<i>Meganola minuscula</i>	<i>Pheosia rimosa</i>	<i>Spaelotis clandestina</i>
<i>Hypoprepia fucosa</i>	<i>Megisto cymela</i>	<i>Phlogophora periculosa</i>	<i>Spargaloma sexpunctata</i>
<i>Hypoprepia miniata</i>	<i>Melanchra adjuncta</i>	<i>Phragmatobia assimilans</i>	<i>Spartiniphaga panatella</i>
<i>Hyppa xylinoides</i>	<i>Melanchra assimilis</i>	<i>Phragmatobia fuliginosa</i>	<i>Speyeria aphrodite</i>
<i>Idia aemula</i>	<i>Metalectra discalis</i>	<i>Phyciodes selenis</i>	<i>Speyeria atlantis</i>
<i>Idia americalis</i>	<i>Metalepsis fishii</i>	<i>Phyllodesma americana</i>	<i>Speyeria cybele krautwurmii</i>
<i>Idia diminuendis</i>	<i>Metalepsis salicarum</i>	<i>Pieris rapae</i>	<i>Sphinx canadensis</i>
<i>Idia lubricalis</i>	<i>Metanema determinata</i>	<i>Plagodis kuetzingi</i>	<i>Sphinx kalmiae</i>
<i>Idia rotundalis</i>	<i>Morrisonia latex</i>	<i>Platyperigea meralis</i>	<i>Sphinx poecila</i>
<i>Ipimorpha pleonectusa</i>	<i>Nadata gibbosa</i>	<i>Platyperigea multifera</i>	<i>Spilosoma congrua</i>
<i>Itame bitactata</i>	<i>Nematocampa limbata</i>	<i>Platypolia anceps</i>	<i>Spiramater lutra</i>
<i>Itame pustularia</i>	<i>Nephelodes minians</i>	<i>Plusia venusta</i>	<i>Spodoptera frugiperda</i>

<i>Sunira bicolorago</i>	<i>Acronicta funeralis</i>	<i>Catocala unijuga</i>	<i>Feltia jaculifera</i>
<i>Symmerista albifrons</i>	<i>Acronicta hasta</i>	<i>Celaena reniformis</i>	<i>Feltia subgothica</i>
<i>Syngrapha alias</i>	<i>Acronicta lobeliae</i>	<i>Ceratomia amyntor</i>	<i>Furcula cinerea</i>
<i>Syngrapha altera</i>	<i>Acronicta morula</i>	<i>Ceratomia undulosa</i>	<i>Galgula partita</i>
<i>Syngrapha octoscripta</i>	<i>Acronicta retardata</i>	<i>Cercyonis pegala</i>	<i>Glaphisia septentrionalis</i>
<i>Syngrapha rectangula</i>	<i>Acronicta spinigera</i>	<i>Cerma cerintha</i>	<i>Grammia anna</i>
<i>Tacparia atropunctata</i>	<i>Acronicta virinula</i>	<i>Charadra deridens</i>	<i>Grammia virgo</i>
<i>Tacparia detersata</i>	<i>Actias luna</i>	<i>Chlorochlamys chloroleucari</i>	<i>Graphiphora augur haruspic</i>
<i>Telea polyphemus</i>	<i>Adita chionanthi</i>	<i>Choephora fungorum</i>	<i>Haploa reversa</i>
<i>Thymelicus lineola</i>	<i>Agrotis ipsilon</i>	<i>Chrysanthympha formosa</i>	<i>Helicoverpa zea</i>
<i>Tolype laricis</i>	<i>Amolita fessa</i>	<i>Chrysoteuchia toparia</i>	<i>Hemaris thysbe</i>
<i>Tolype vellada</i>	<i>Amphipoea americana</i>	<i>Chytonix palliatricula</i>	<i>Herpetogramma aeglealis</i>
<i>Tortricidia pallida</i>	<i>Amphipoea velata</i>	<i>Cisseps fulvicollis</i>	<i>Heterocampa biundata</i>
<i>Tricholita signata</i>	<i>Amphyipyra pyramidoides</i>	<i>Clemensia albata</i>	<i>Heterocampa umbrata</i>
<i>Trichordestra legitima</i>	<i>Amphyipyra tragopoginis</i>	<i>Colocasia flavicornis</i>	<i>Heterophleps triguttaria</i>
<i>Triphosa haesitata affirmaria</i>	<i>Anagrapha falcifera</i>	<i>Condica vecors</i>	<i>Holomelina aurantiaca</i>
<i>Ufeus satyricus</i>	<i>Anicla (Euagrotis) illapsa</i>	<i>Cosmia calami</i>	<i>Homohadena badistriga</i>
<i>Vanessa atalanta</i>	<i>Anisota rubicunda</i>	<i>Crambodes talidiformis</i>	<i>Horisme intestinata</i>
<i>Vanessa virginiana</i>	<i>Anisota senatoria</i>	<i>Crambus agitatellus</i>	<i>Hydraecia stramentosa</i>
<i>Wallengrenia egeremet</i>	<i>Apamea amputatrix</i>	<i>Crambus leachellus</i>	<i>Hyphantria cunea</i>
<i>Xanthia togata</i>	<i>Apamea apamiformis</i>	<i>Cressonia juglandis</i>	<i>Hypoprepia fucosa</i>
<i>Xanthorhoe ferrugata</i>	<i>Apamea devastator</i>	<i>Danaus plexippus</i>	<i>Hypoprepia miniata</i>
<i>Xanthotype sospeta</i>	<i>Apamea dubitans</i>	<i>Darapsa myron</i>	<i>Idia aemula</i>
<i>Xanthotype urticaria</i>	<i>Apamea impulsa</i>	<i>Dasychira basiflava</i>	<i>Idia americalis</i>
<i>Xestia badicollis</i>	<i>Apamea lignicolora</i>	<i>Datana angusii</i>	<i>Isia isabella</i>
<i>Xestia c-nigrum</i>	<i>Apamea nigrior</i>	<i>Datana perspicua</i>	<i>Lacanobia subjuncta</i>
<i>Xestia dolosa</i>	<i>Apamea plutonia</i>	<i>Desmia funeralis</i>	<i>Lacinipolia implicata</i>
<i>Xestia normaniana</i>	<i>Apamea unanimis</i>	<i>Dichagyris acclivis</i>	<i>Lacinipolia lorea</i>
<i>Xestia oblata</i>	<i>Apamea vultuosa</i>	<i>Dichorda iridaria</i>	<i>Lacinipolia renigera</i>
<i>Xestia praevia</i>	<i>Autographa precationis</i>	<i>Drepana arcuata</i>	<i>Lambdina fervidaria</i>
<i>Xestia smithii</i>	<i>Automeris io</i>	<i>Dypterygia rozmani</i>	<i>Lethe anthedon</i>
<i>Xestia youngii</i>	<i>Bomolocha abalienalis</i>	<i>Elaphria grata</i>	<i>Leucania commoides</i>
<i>Xylena curvimacula</i>	<i>Bomolocha edictalis</i>	<i>Elaphria versicolor</i>	<i>Leucania lapidaria</i>
<i>Xylomoia chagnoni</i>	<i>Bomolocha sordidula</i>	<i>Ellida caniplaga</i>	<i>Leucania linda</i>
<i>Zale horrida</i>	<i>Caenurgina crassiuscula</i>	<i>Enargia infumata</i>	<i>Leucania multilinea</i>
<i>Zale lunata</i>	<i>Caenurgina erechtea</i>	<i>Eosphoropteryx thyatyroides</i>	<i>Leucania pseudargyria</i>
<i>Zale submediana</i>	<i>Callizzia amorata</i>	<i>Erinnys obscura</i>	<i>Lithacodes fasciola</i>
<i>Zale undularis</i>	<i>Callopistria cordata</i>	<i>Estigmene acrea</i>	<i>Macrochilo absorptalis</i>
<i>Zanclognatha decepticalis</i>	<i>Callosamia promethea</i>	<i>Euchaetes egle</i>	<i>Macrochilo orciferalis</i>
<i>Zanclognatha jacchusalis</i>	<i>Campaea perlata</i>	<i>Euchaetes oregonensis</i>	<i>Macrurocampa marthesia</i>
<i>Zanclognatha lituralis</i>	<i>Capis curvata</i>	<i>Euclea delphinii</i>	<i>Malacosoma americana</i>
<i>Zanclognatha ochreipennis</i>	<i>Catocala abbreviatella</i>	<i>Eudryas grata</i>	<i>Malacosoma disstria</i>
<i>Zanclognatha protumnusalis</i>	<i>Catocala amatrix</i>	<i>Eudryas unio</i>	<i>Manduca jasminearum</i>
<i>Zanclognatha theralis</i>	<i>Catocala amestris</i>	<i>Eulithis diversilineata</i>	<i>Megalographa biloba</i>
<b>Whitewater</b>	<i>Catocala cara</i>	<i>Eulithis explanata</i>	<i>Melanchra picta</i>
<b>258</b>	<i>Catocala cerogama</i>	<i>Euplexia benesimilis</i>	<i>Meropleon ambifusca</i>
<i>Abagrotis alternata</i>	<i>Catocala coccinata</i>	<i>Euthyatira pudens</i>	<i>Metanema inatomaria</i>
<i>Abagrotis cupida</i>	<i>Catocala concumbens</i>	<i>Euxoa Immixta</i>	<i>Metarranthis hypocrharia</i>
<i>Abrostola urentis</i>	<i>Catocala crataegi</i>	<i>Euxoa obeliscoides</i>	<i>Mythimna oxygala</i>
<i>Acronicta americana</i>	<i>Catocala grynea</i>	<i>Euxoa tessellata</i>	<i>Mythimna unipuncta</i>
<i>Acronicta clarescens</i>	<i>Catocala ilia</i>	<i>Faronta diffusa</i>	<i>Nadata gibbosa</i>
<i>Acronicta dactylina</i>	<i>Catocala micronympha</i>	<i>Feltia geniculata</i>	<i>Nedra ramosula</i>
<i>Acronicta fragilis</i>	<i>Catocala ultronnia</i>	<i>Feltia herilis</i>	<i>Nematocampa limbata</i>

<i>Nephelodes minians</i>	<i>Pseudorthodes vecors</i>
<i>Nerice bidentata</i>	<i>Pyreferra petitti</i>
<i>Noctua pronuba</i>	<i>Rachiplusia ou</i>
<i>Ochropleura implecta</i>	<i>Raphia frater</i>
<i>Ogdoconta cinereola</i>	<i>Renia discoloralis</i>
<i>Oligia chlorostigma</i>	<i>Resapamea passer</i>
<i>Oligia fractilinea</i>	<i>Resapamea stipata</i>
<i>Oligia illocata</i>	<i>Rheumaptera hastata</i>
<i>Oligia mactata</i>	<i>Schinia arcigera</i>
<i>Oligia modica</i>	<i>Schinia lucens</i>
<i>Oligocentria lignicolor</i>	<i>Schinia lynx</i>
<i>Orgyia leucostigma</i>	<i>Schinia rivulosa</i>
<i>Orthodes cynica</i>	<i>Schinia trifascia</i>
<i>Orthodes goodelli</i>	<i>Schizura ipomoeae</i>
<i>Orthonama centrostrigaria</i>	<i>Schizura unicornis</i>
<i>Orthonama obstipata</i>	<i>Scopula inductata</i>
<i>Ostrinia nubilalis</i>	<i>Scopula limboundata</i>
<i>Ostrinia penitalis</i>	<i>Semiothisa orillata</i>
<i>Packardia geminata</i>	<i>Smerinthus jamaicensis</i>
<i>Panopoda carneicosta</i>	<i>Spargaloma sexpunctata</i>
<i>Panopoda rufimargo</i>	<i>Speyeria cybele</i>
<i>Pantographa luteata</i>	<i>Spiramater lutra</i>
<i>Paonias excaecatus</i>	<i>Spragueia leo</i>
<i>Paonias myops</i>	<i>Telea polyphemus</i>
<i>Papaipema arctivorens</i>	<i>Tortricidia testacea</i>
<i>Papaipema baptisiae</i>	<i>Trachea delicata</i>
<i>Papaipema harrisii</i>	<i>Trichodezia albovittata</i>
<i>Papaipema leucostigma</i>	<i>Tricholita signata</i>
<i>Papaipema nelita</i>	<i>Trichoplusia ni</i>
<i>Papilio cresphontes</i>	<i>Urolonche modesta</i>
<i>Paraponyx maculalis</i>	<i>Vanessa atalanta</i>
<i>Peridroma saucia</i>	<i>Xestia c-nigrum</i>
<i>Pero honestaria</i>	<i>Xestia dolosa</i>
<i>Phalaenostola larentioides</i>	<i>Xestia normaniana</i>
<i>Pheosia rimosa</i>	<i>Xestia smithii</i>
<i>Phlogophora iris</i>	<i>Xylomoia chagnoni</i>
<i>Phlogophora periculosa</i>	<i>Zale galbanata</i>
<i>Phosphila miselioides</i>	<i>Zale lunata</i>
<i>Plagodis fervidaria</i>	<i>Zanclognatha lituralis</i>
<i>Plagodis kuetzingi</i>	
<i>Plathypena scabra</i>	
<i>Plusia contexta</i>	
<i>Polia imbrifera</i>	
<i>Polites origenes</i>	
<i>Polygonia comma</i>	
<i>Polygonia interrogationis</i>	
<i>Polygrammate hebraicum</i>	
<i>Probola amicaria</i>	
<i>Prolimacodes badia</i>	
<i>Protolampra brunneicollis</i>	
<i>Proxenus miranda</i>	
<i>Pseudohermonassa bicarnea</i>	
<i>Pseudohermonassa tenuicula</i>	

Rare/Significant Lepidoptera Species Based on Two Criteria: found at only 1 park and identified by surveyor James Bess as of conservation concern  
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<b>Species</b>	<b>Family</b>	<b>Only Park Documented</b>	<b>Remarks Abundance = 1 (1-5 individuals unless otherwise noted)</b>
<i>Acronicta lepusculina</i>	Noctuidae	Great River Bluffs	
<i>Acronicta quadrata</i>	Noctuidae	Tettegouche	
<i>Acronicta radcliffei</i>	Noctuidae	Tettegouche	
<i>Acronicta retardata</i>	Noctuidae	Whitewater	Larvae feed on maples, although species is uncommon and local.
<i>Acronicta tritona</i>	Noctuidae	Tettegouche	Rare & local species of barrens and bogs, larvae feed on Vaccinium & poss. other Ericaceae. In Midwest distribution tends to be very local and uncommon or rare. This moth has not previously been reported from MN.
<i>Agrotis mollis</i>	Notodontidae	Tettegouche	
<i>Agrotis volubilis</i>	Noctuidae	St. Croix	A local & generally uncommon to rare species of northern/boreal sandy barrens, parklands and prairies. Larvae unknown in the wild, prob. feeding on forbs like the closely related <i>Agrotis stigmosa</i> . Not previously reported from northern MN. Abundance 2 (6-10 individuals)
<i>Alypia langtoni</i>	Noctuidae	George Crosby Manitou	local and generally uncommon, boreal and western montane, with disjunct populations in the extreme northern Great Lakes. The larvae feed on fireweed ( <i>Epilobium angustifolium</i> ). One female collected on fireweed in July. MacLean reported this moth as rare.
<i>Amathes obliqua</i>	Noctuidae	George Crosby Manitou	
<i>Amathes opacifrons</i>	Noctuidae	George Crosby Manitou	
<i>Amblyscirtes vialis</i>	Hesperiidae	Tettegouche	An uncommon & local species of barrens, the larvae feeding on grasses. MacLean (2006) reports this species as common in Cook Co., MN.
<i>Anathix aggressa</i>	Noctuidae	Tettegouche	A local & generally rare northern Great Plains species of aspen parklands. Larvae feed on developing catkins of <i>Populus tremuloides</i> . MacLean (2006) does not report this species from Cook Co., MN and it may be new to MN.
<i>Anhimella contrahens</i>	Noctuidae	Tettegouche	
<i>Apamea apamiformis</i>	Noctuidae	Whitewater	
<i>Apamea cariosa</i>	Noctuidae	Frontenac	
<i>Apamea cogitata</i>	Noctuidae	Tettegouche	A species of boreal wetlands with an abundance of sedges , bulrushes and wetland grasses, just barely entering the US in extreme northern Midwest and New England. Larval stages are unknown, but likely subterranean feeders on grass and sedge roots.
<i>Apamea lutosa</i>	Noctuidae	Frontenac	
<i>Apamea mixta</i>	Noctuidae	George Crosby Manitou	
<i>Argyrostrotis anilis</i>	Noctuidae	St. Croix	An uncommon to rare species of calcareous wetlands, particularly fens and sedge meadows. Larvae reported to feed on <i>Sabatia</i> , but is often found where this plant does not grow, so other species may be utilized. Not previously known from Minnesota.
<i>Autographa flagellum</i>	Noctuidae	Tettegouche	A transcontinental boreal species, just barely entering the US in the extreme northern Midwest and New England. Associated with a number of open to semi-open habitats, barrens primarily. Larvae feed on <i>helianthus</i> , <i>Liatris</i> and prob. other Asteraceae.
<i>Autographa mappa</i>	Noctuidae	St. Croix	Extremely rare and local.
<i>Bagisara rectifascia</i>	Noctuidae	Beaver Creek Valley	Another extremely rare species, larvae feeding on glade mallow ( <i>Napaea dioica</i> ). A new Park and State Record.
<i>Bandera binotella</i>	Pyralidae	Frontenac	
<i>Callizzia amorata</i>	Epiplemidae	Whitewater	
<i>Callophrys niphon</i>	Lycaenidae	St. Croix	An uncommon and intensely local butterfly of barrens and pine savannas, the adults closely associated with the larval foodplants, hard pines [in this case <i>Pinus banksiana</i> ]. Previously unreported from Pine Co.
<i>Caripeta piniata</i>	Geometridae	George Crosby Manitou	
<i>Catocala antinympha</i>	Noctuidae	St. Croix	Characteristic of boreal barrens, with an abundance of sweet fern ( <i>Comptonia peregrina</i> ), the larval food plant. Previously unreported from MN.
<i>Catocala coelebs</i>	Noctuidae	George Crosby Manitou	A boreal species of peatlands and margins of watercourses, wherever the larval food plant sweet gale ( <i>Myrica gale</i> ) is abundant.
<i>Catocala connubialis</i>	Noctuidae	Great River Bluffs	
<i>Catocala epione</i>	Noctuidae	Beaver Creek Valley	New Park Record.
<i>Catocala habilis</i>	Noctuidae	Great River Bluffs	
<i>Catocala obscura</i>	Noctuidae	Great River Bluffs	
<i>Catocala serena</i>	Noctuidae	Great River Bluffs	
<i>Catocala similis</i>	Noctuidae	St. Croix	A rare & local species of oak barrens and woodlands, not previously reported this far north. The larvae reared on post oak ( <i>Quercus stellata</i> ), prob. also on <i>Q. alba</i> , <i>Q. ellipsoidalis</i> , <i>Q. macrocarpon</i> and/or <i>Q. velutina</i> . This moth is new to MN.
<i>Catocala subnata</i>	Noctuidae	Great River Bluffs	
<i>Chlosyne gorgone</i>	Nymphalidae	Great River Bluffs	Extremely common/abundant this season with hundreds of adults observed in June and thousands of larvae in July and August. Larvae were feeding colonially, primarily on <i>Helianthus rigidus</i> . Abundance 4 (> 50 individuals)
<i>Colias gigantea</i>	Pieridae	George Crosby Manitou	One adult [either a yellow form or M] observed along Baptism River in Poor Fen with abundant willows, on which the larvae feed. Adult not secured, but ID is >90% positive, given size, habitat and time of year.
<i>Cucullia florea</i>	Noctuidae	Tettegouche	A local, transcontinental species of boreal barrens and mixed conifer parklands, the larvae feeding on various Asteraceae. generally rare to uncommon and local in occurrence. MacLean (2006) did not report this species from Cook Co., MN.
<i>Cyclophora packardi</i>	Geometridae		
<i>Dasychira obliquata</i>	Lymantriidae		
<i>Datana contracta</i>	Notodontidae	Frontenac	
<i>Dichagyris reliqua</i>	Noctuidae	Great River Bluffs	Abundance = 3 (11-50 individuals)

Rare/Significant Lepidoptera Species Based on Two Criteria: found at only 1 park and identified by surveyor James Bess as of conservation concern  
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<b>Species</b>	<b>Family</b>	<b>Only Park Documented</b>	<b>Remarks Abundance = 1 (1-5 individuals unless otherwise noted)</b>
Dolba hyloeus	Sphingidae	St. Croix	A distinctly marked species, associated with cold wetlands where winterberry ( <i>Ilex verticillata</i> ) is common, the larval food plant. Abundance = 2 (6-10 individuals)
Epirrhathis substriataria	Geometridae	George Crosby Manitou	A rare and local, boreal poplar feeder, barely entering US in northern Midwest and New England. Supposedly absent from much of central Canada (Forbes, 1948).
Eremobina jocasta	Noctuidae	Beaver Creek Valley	New Park and MN Record for this rare species.
Erynnis lucilius	Hesperiidae	Great River Bluffs	Only a few adults observed in spring. Larval nests on columbine observed during summer months
Euchloe olympia	Pieridae	St. Croix	A rare and local species primarily of the Great Plains [where it is more widely distributed], found in scattered populations around the Great Lakes, primarily associated with sand dunes. The larvae feed on native cresses, primarily <i>Arabis</i> spp. Abundance = 2 (6-10 individuals)
Eufidonia convergaria	Geometridae	George Crosby Manitou	A boreal white pine feeder, rare and local in MN. MacLean (2006) does not report this species from Cook Co., MN. It is likely new to the state list.
Eulithis xylinea	Geometridae	Tettegouche	A boreal species, apparently uncommon to rare and local, especially this far south. MacLean (2006) did not report this species from Cook Co., MN and it is likely new to the State list.
Eupithecia satyrata	Geometridae	George Crosby Manitou	a rare and local boreal species. MacLean (2006) reports Eupithecia nr. satyrata dodgei as rare in Cook Co., MN, which is likely what we found here.
Euxoa antica	Noctuidae	George Crosby Manitou	
Euxoa ontario	Noctuidae	Tettegouche	
Euxoa perpolita	Noctuidae	Tettegouche	A transcontinental species of northern barrens [typically sandy], occurring in n. New England, n. Gr. Lakes and west through n. Great Plains to BC. the larval stages unknown, but likely a cutworm on forbs and grasses.
Fagitana littera	Noctuidae	Tettegouche	Found in cold marshes and fens with an abundance of marsh shield fern ( <i>Dryopteris thelypteris</i> ) on which the larvae feed. Very local and uncommon to rare throughout its range. MacLean did not report this moth from Cook Co., MN (2006).
Furcula scolopendrina	Notodontidae	George Crosby Manitou	A western boreal species with scattered populations east to MA. Reportedly common only in W. Canada [Forbes, 1948]. The larvae feed on Salix. MacLean (2006) did not report this species from Cook Co., MN.
Grammia figurata	Arctiidae	Frontenac	New Park Record.
Grammia speciosa	Arctiidae	George Crosby Manitou	A species of boreal peatlands and similar wetlands with an abundance of sedges. The larvae feed on sedges and other wetland forbs. Very local and rare throughout much of its range. MacLean has not reported this moth in Cook Co., MN (2006).
Grammia williamsii	Arctiidae	George Crosby Manitou	A boreal and western montane species associated with barrens and wetlands. The wetland and upland populations may actually be two species [celia and williamsii]. Apparently quite rare, especially in the US, with populations few and scattered.
Himella intractata	Noctuidae	George Crosby Manitou	A single specimen of this rarely collected species was collected here in 2008. This moth is associated with dry woodlands and barrens, where the larvae feed on chokecherry and related species. MacLean (2006) did not report this species from Cook Co., MN
Homochlodes lactispargaria	Geometridae	George Crosby Manitou	A boreal species of barrens and cool wooded areas where the larval food plant, braken fern ( <i>Pteridium aquilinum</i> ) is found. MacLean (2006) reports the closely related <i>H. fritillaria</i> as uncommon in Cook Co., MN.
Homohadena infixa	Noctuidae	Frontenac	New Park Record.
Hyalophora columbia	Saturniidae	Tettegouche	
Hydraecia immanis	Noctuidae	Forestville/Mystery Cave	
Hydrelia condensata	Geometridae	George Crosby Manitou	A northern species with a rather limited range centering around the Great Lakes. Uncommon and little is known about it. The larvae on sugar maple ( <i>Acer saccharum</i> ). MacLean (2006) did not report this species from Cook Co., MN.
Hydiomena furcata	Geometridae	Cascade River	A Holarctic, boreal and montane species found in the Pacific Northwest, with scattered populations in eastern Canada. In Europe, the larvae reported to feed on Calluna, Corylus, Salix and Vaccinium. very few records in eastern US.
Hypenodes caducus		Cascade River	
Itame bitactata	Geometridae	Tettegouche	
Lacanobia atlantica	Noctuidae	St. Croix	Rare and local. 1 adult at UV.
Lithophane baileyi	Noctuidae	St. Croix	
Lithophane petulca	Noctuidae	George Crosby Manitou	A transcontinental boreal species of rich mesic forest and swamps, where the larvae feed on choke cherry ( <i>Prunus virginiana</i> ). Barely enters the eastern US in northern Great Lakes and New England. MacLean (2006) did not report this moth from Cook Co., MN
Lithophane thaxteri	Noctuidae	St. Croix	
Lycaena epixanthe	Lycaenidae	St. Croix	An uncommon to rare and local species. Larvae feed on cranberry. Several observed throughout peatland in late June. Abundance = 3 (11-50 individuals).
Maliattha concinnimacula	Noctuidae	Tettegouche	A transcontinental species of rich forests, swamps and peatlands, the larval stages unknown. MacLean (2006) reported this moth as rare in Cook Co., MN.
Oeneis jutta	Nymphalidae	St. Croix	A classic boreal muskeg butterfly, the larvae feeding on cottongrass ( <i>Eriophorum</i> ) and the adults resting on the trunks of black spruce ( <i>Picea mariana</i> ). This is a large and apparently healthy population. Abundance = 2 (6-10 individuals).
Oreta rosea	Drepanidae	George Crosby Manitou	A transcontinental woodland/barrens species, although tending to be uncommon and local, especially this far north. The larvae feed on Betula and Viburnum. MacLean (2006) reports this moth as rare in Cook Co., MN.

Rare/Significant Lepidoptera Species Based on Two Criteria: found at only 1 park and identified by surveyor James Bess as of conservation concern  
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<b>Species</b>	<b>Family</b>	<b>Only Park Documented</b>	<b>Remarks Abundance = 1 (1-5 individuals unless otherwise noted)</b>
<i>Orgyia definita</i>	Lymantriidae	Cascade River	This is a widespread species throughout eastern NA, becoming rarer northward and westward. This record represents the first for MN and is a significant extension of the known range of this species.
<i>Pachypolia atricornis</i>	Noctuidae	St. Croix	
<i>Palthis angulalis</i>	Noctuidae		
<i>Panthea furcilla</i>	Noctuidae	Tettegouche	
<i>Papaipema sciata</i>	Noctuidae	Frontenac	
<i>Papilio polyxenes</i>	Papilionidae	Tettegouche	Two males observed hilltopping on lower peak of Palisade Head.
<i>Peoria floridella</i>	Crambidae	Frontenac	
<i>Phalaenophana pyramusalis</i>	Noctuidae	George Crosby Manitou	A widely distributed wetland species, however rarely collected. The larvae feed on dead and wilted leaves in captivity. MacLean (2006) reports this species as extremely rare in Cook Co., MN, having only collected a single specimen, at Grand Portage National Monument.
<i>Platyperigea meralis</i>	Noctuidae	Tettegouche	A species of the arid west, with disjunct populations around the Great Lakes and northern Atlantic Coast. Primarily associated with sand dunes, although Northshore populations are interesting in that they occur on granitic and clay barrens.
<i>Plusia aerea</i>	Noctuidae	George Crosby Manitou	
<i>Polygonia faunus</i>	Nymphalidae	George Crosby Manitou	A species of boreal conifer forests and swamps where the larval food plant, currants ( <i>Ribes</i> ), is found. The southern range of this species was greatly impacted by Ribes eradication programs in the early to mid-20th century.
<i>Resapamea passer</i>	Noctuidae	Whitewater	
<i>Resapamea stipata</i>	Noctuidae	Whitewater	
<i>Rheumaptera undulata</i>	Geometridae		
<i>Schinia septentrionalis</i>	Noctuidae	Great River Bluffs	
<i>Semiothisa eremiata</i>	Geometridae	Frontenac	
<i>Semiothisa multilineata</i>	Geometridae	Cascade River	This was a very unexpected record for the Northshore, as this uncommon species is most typically found in the southeastern US. The larval stages are unknown. This is a new record for the State and a notable range extension for this distinctively marked moth.
<i>Semiothisa sexmaculata</i>	Geometridae	George Crosby Manitou	A species of boreal peatlands, where the larvae feed exclusively on Larix. Very rare and local this far south. Not previously reported from MN, this is a new species for the State list.
<i>Sericaglaea sericea</i>	Geometridae	St. Croix	
<i>Sideridis maryx</i>	Noctuidae	Tettegouche	An extremely rare species of boreal barrens and dry, mixed conifer parklands having a rich herbaceous layer. The larval stages unknown, but likely feeding on a number of herbaceous forbs and poss. grasses. Not previously reported from the State.
<i>Spartiniphaga inops</i>	Noctuidae	St. Croix	A species of the Atlantic Coastal Plain and wet prairie remnants in the eastern Great Plains and Upper Great Lakes, where the larvae feed (exclusively?) on cordgrass ( <i>Spartina pectinata</i> ). This record is a major range extension to the north.
<i>Speyeria idalia</i>	Nymphalidae	Frontenac	Abundance = 2 (6-10 individuals).
<i>Sutyna privata</i>	Noctuidae	George Crosby Manitou	An uncommon to rare boreal species of mixed conifer forests and barrens, the larvae feeding on Rubus (Handfield, 1999). MacLean (2006) reported this moth as uncommon in Cook Co., MN.
<i>Syngrapha altera</i>	Noctuidae	Tettegouche	An uncommon to rare boreal species of mixed conifer forests and barrens, the larvae feeding on Abies, Picea and Tsuga (LaFontaine and Poole, 1991). MacLean (2006) did not record this moth from Cook Co., MN.
<i>Syngrapha microgamma</i>	Noctuidae	George Crosby Manitou	A species typically found in large peatlands or muskegs with leatherleaf and bog rosemary. It's occurrence here is somewhat unusual, although there is plenty of leatherleaf, one of the larval foodplants [various Ericaceae].
<i>Syngrapha octoscripta</i>	Noctuidae	Tettegouche	An uncommon to rare boreal species of mixed conifer forests and barrens, the larvae feeding on Abies, Picea and Tsuga (LaFontaine and Poole, 1991). MacLean (2006) reported this moth as uncommon in Cook Co., MN.
<i>Tetanolita floridana</i>	Noctuidae	George Crosby Manitou	This is a wetland species, more typically found in the south. The larvae feed on dead leaves. This record is new for the State of MN.
<i>Urola nivalis</i>	Pyralidae	Frontenac	A few adults at UV traps in remnant prairie at S-end of bluff.
<i>Venusia cambrica</i>	Geometridae	Grand Portage	A transcontinental boreal species, barely entering the US in the mountains of the East and Pacific Northwest, where it is considered rare and local. The larvae feed on mt. Ash ( <i>Sorbus</i> ). MacLean (2006) reports this species as rare in Cook Co., MN.
<i>Venusia comptaria</i>	Geometridae	George Crosby Manitou	A rarely collected early season boreal species of dry forests and barrens. Larvae feed on Betula and Sorbus. MacLean (2006) reports this moth as rare in Cook Co., MN.
<i>Ulolonche culea</i>	Noctuidae	George Crosby Manitou	A rare and highly localized boreal species of mixed conifer forests, bogs and swamps. Larvae have been beaten from Salix and the larvae fed on Spirea and Salix in captivity (McCabe, 1988). MacLean (2006) reports this species as uncommon in Cook Co., MN.
<i>Xubida panalope</i>	Pyralidae	Frontenac	
<i>Vanessa cardui</i>	Nymphalidae	Tettegouche	This is a moderately common species of northern forests, the larvae feeding on chokecherry and other related shrubs. The larvae appear at the same time as the gypsy moth, making them highly susceptible to Bt spraying. MacLean (2006) reported this species as uncommon in Cook Co., MN.
<i>Zale horrida</i>	Noctuidae		
<i>Zale submediana</i>	Noctuidae	Tettegouche	A rare and local species, never found far from the larval food plant jackpine ( <i>Pinus banksiana</i> ). MacLean (2006) reports this moth as rare in Cook Co., MN.
<i>Zale undularis</i>	Noctuidae		

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<b>Species</b>	<b>Family</b>	<b>Only Park Documented</b>	<b>Remarks Abundance = 1 (1-5 individuals unless otherwise noted)</b>
<i>Zanclognatha cruralis</i>	Noctuidae	Judge C.R. Magney	A rare and local, boreal species of mixed conifer forest and barrens, the larvae on the detritus under balsam fir. MacLean (2006) reports this moth as rare in Cook Co., MN.
<i>Zanclognatha protumnusalis</i>	Noctuidae	Tettegouche	Widespread in eastern NA, but rare and local. The larvae undescribed, prob. feeding on detritus under conifers. MacLean (2006) did not record this moth from Cooke Co., MN and it is likely new to the State list.