



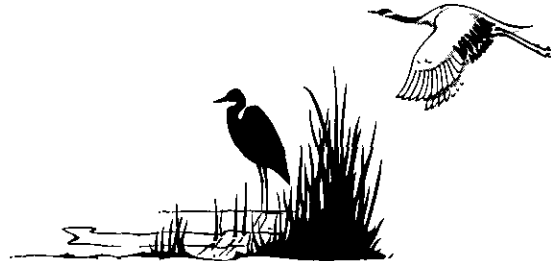
ILLINOIS
DEPARTMENT OF
NATURAL
RESOURCES

MEMORANDUM

Division of Natural Heritage

110 James Road Spring Grove, IL 60081 (815) 675-2385 FAX (815) 675-2495

to: Linda Williams
from: Brad Semel
date: 2 March 2000
subject: Wildlife Preservation Grant #99-045



Enclosed please find completed documents from the lepidoptera surveys that were conducted in Lake and McHenry Counties as part of Wayne Shennum's stewardship grant, *Baseline Lepidopteran Surveys in Lake and McHenry Counties*. Amy Horstman, District 8, was managing this contract. We are using this information to better develop natural resources management plans and to make informed decisions should the Illinois Department of Agriculture consider application of pesticides to combat gypsy moth infestation at these sites. We have found the information very useful and timely.

Species	March	April	May	June	July	August	Sept.	October
Appalachian Eyed Brown (L)			—	—	—	—		
Broad-Winged Skipper (L)				—	—	—		
Tawny Edged Skipper (P)			—	—	—	—	—	
Crossline Skipper (L)				—	—	—		
Dreamy Dusky Wing (L)			—	—	—	—		
Wild Indigo Dusky Wing (L)			—	—	—	—	—	
Horace's Dusky Wing (L)		—	—	—	—	—		
Juvenal's Dusky Wing (L)			—	—	—	—		

Adult Flight Period



Active Larval Period



Overwintering stages:

P- pupa

L- larva

A- adult

E- egg

U- unknown

M- migrant

1. Adult in southern range
2. Larva only 1/2 grown
3. Adults may overwinter in mild winter

Species	Habitat	Moraine Hills					Chain O'Lakes				Volo Bog			
		1	2	3	4	5	1	2	3	4	1	2	3	4
Checkered skipper														
Dreamy dusky wing														
Sleepy dusky wing														
Columbine dusky wing														
Wild indigo dusky wing														
Mottled dusky wing														
Horace's dusky wing														
Juvenal's dusky wing														
Southern cloudy wing														
Northern cloudy wing														
Hoary edge														
Silver spotted skipper	U	X	X		X	X	X					X		
Pipeline swallowtail														
Black swallowtail	U		X	X	X	X	X	X	X	X			X	X
Giant swallowtail														
Tiger swallowtail	SV, W	X	X	X	X	X	X	X		X	X			X
Checkered white														
Cabbage white	U		X	X	X	X	X	X	X	X	X	X	X	X
Alfalfa butterfly	U	X	X	X	X		X	X	X	X			X	X
Clouded sulfur	U		X	X	X		X	X	X	X		X	X	X
Dog face														
Little sulfur														
Olympian marble														
Swamp metalmark														
Hoary elfin														
Coral hairstreak	SH		X				X							

Species	Habitat	Moraine Hills					Chain O'Lakes				Volo Bog			
		1	2	3	4	5	1	2	3	4	1	2	3	4
Milbert's tortoise shell	SM					X								X
Mourning cloak	SC, W	X			X	X					X	X		X
Question mark	SV, W	X	X		X		X	X	X	X		X	X	X
Comma	W	X	X		X	X	X							X
Gray comma	W													X
Silvery checkerspot	SC, LP, SM					X								
Gorgone checkerspot														
Harris' checkerspot														
Pearl crescent	U	X	X	X	X	X	X	X		X			X	X
Baltimore checkerspot	F, SM, SB			X	X	X		X		X			X	
Silver bordered fritillary	SM, F			X	X			X		X				
Meadow fritillary														
Regal fritillary														
Great spangled fritillary	F, SV, SM	X	X	X		X	X	X		X			X	
Aphrodite														
Variiegated fritillary														
Monarch	U	X		X	X	X		X		X			X	X
Pearly eye	W	X	X				X		X		X	X		X
Northern eyed brown	F, SM	X		X	X	X		X		X			X	
Appalachian eyed brown														
Little wood satyr	SV, W	X	X			X	X		X					X
Common wood nymph	F, SV, SM	X	X	X	X		X	X		X		X		X

Habitat Code: M = Marsh; F = Fen; SM = Sedge Meadow; LP = Low Prairie; SH = Shrub Savanna; S = Savanna; W = Woodland; SC = Shrub Carr Wetland; SB = Shrub Bog; U = Ubiquitous (open and open shrub areas).

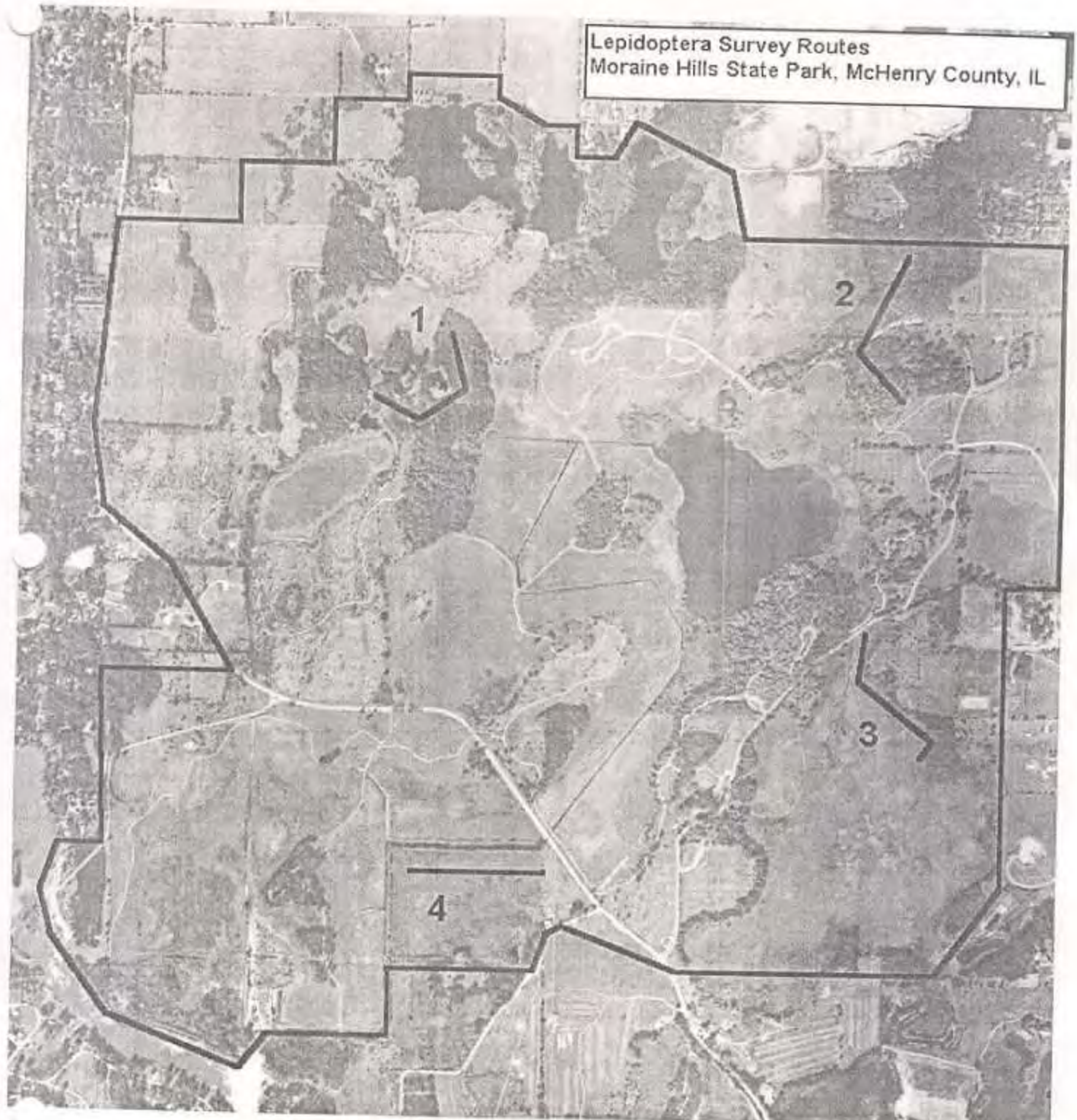
Lepidoptera Survey Routes
Moraine Hills State Park, McHenry County, IL

1

2

3

4



Lepidoptera Survey Routes
Volo Bog State Natural Area,
Lake/McHenry County, IL



Lepidoptera Survey Routes
Chain O'Lakes State Park,
Lake County, IL



Lepidopteran surveys of Illinois Beach State Park and Illinois Beach Nature Preserve, Lake County, Illinois.

Species	Habitat	Illinois Beach South Unit	
		1 ^a	2 ^b
Pepper and Salt Skipper			
Dion skipper	M	X	X
Black dash	LP, SM	X	X
Two-spotted skipper			
Dun skipper	LP	X	
Mulberry wing	SM		X
Hobomok skipper	SV		X
Zabulon skipper			
Broad winged skipper	M	X	X
Delaware skipper	UP, SV	X	X
Sachem			
Little grassy wing			
Broken dash	SV		X
Peck's skipper	U		X
Tawny edged skipper	U		X
Cross line skipper	UP	X	X
Long dash	LP, SM		X
Ottoo skipper			
Leonard's skipper			
Fiery skipper			
European skipper	U		X
Powesheik skipper			
Least skipper	SM		X

Species	Habitat	Illinois Beach South Unit	
		1 ^a	2 ^b
Common sooty wing			
Checkered skipper			
Dreamy dusky wing	SV		X
Sleepy dusky wing			
Columbine dusky wing			
Wild indigo dusky wing	UP, SV		X
Mottled dusky wing			
Horace's dusky wing	SV		X
Juvenal's dusky wing	SV		X
Southern cloudy wing			
Northern cloudy wing			
Hoary edge			
Silver spotted skipper	U		X
Pipevine swallowtail			
Black swallowtail	U		X
Giant swallowtail			
Tiger swallowtail	SV		X
Checkered white	F		X
Cabbage white	U	X	X
Alfalfa butterfly	U	X	X
Clouded sulfur	U	X	X
Dog face	UP, SV	X	X
Little sulfur	UP		X
Olympian marble	F		X
Swamp metalmark			

Species	Habitat	Illinois Beach South Unit	
		1 ^a	2 ^b
Hoary elfin	F		X
Coral hairstreak	SH	X	X
Striped hairstreak			
Banded hairstreak	SV	X	
Hickory hairstreak			
Edward's hairstreak	SH	X	X
Acadian hairstreak	SM	X	X
Gray hairstreak	U		X
Bronze copper	M		X
Great copper			
Purplish copper			
American copper			
Reakirt's blue			
Eastern tailed blue	UP, SV		X
Marine blue	U		X
Karner blue	SV		X
Silvery blue			
Spring azure	SH		X
Harvester			
Snout butterfly			
Hackberry butterfly			
Tawny emperor			
Red spotted purple	SV		X
Viceroy	SC, LP, SM	X	X
Red admiral	U		X

Species	Habitat	Illinois Beach South Unit	
		1 ^a	2 ^b
American painted lady	UP, SV	X	X
Painted lady			
Buckeye	UP, LP, SV	X	X
Compton tortoise shell			
Milbert's tortoise shell			
Mourning cloak	SC		X
Question mark	SV	X	X
Comma			
Gray comma			
Silvery checkerspot			
Gorgone checkerspot			
Harris' checkerspot			
Pearl crescent	U		X
Baltimore checkerspot			
Silver bordered fritillary	LP, SM	X	X
Meadow fritillary			
Regal fritillary			
Great spangled fritillary	SV, UP, LP	X	X
Aphrodite	UP	X	X
Variegated fritillary	U		X
Monarch	U	X	X
Pearly eye			
Northern eyed brown	SM	X	X
Appalachian eyed brown	SC	X	X
Little wood satyr	SV		X

Species	Habitat	Illinois Beach South Unit	
		1 ^a	2 ^b
Common wood nymph	LP, UP, SV	X	X

Habitat Code: F = Foredune; M = Marsh; SM = Sedge Meadow; LP = Lowland Prairie; SH = Shrub Savanna; SV = Sand Savanna; UP = Upland Prairie; SC = Shrub Carr Wetlands; U = Ubicuitous (open and open shrub areas).

- a. 1998 and 1999 IDNR and USFWS butterfly survey for the Karner Blue butterfly.
- b. 1990 and 1993 Panzer study of butterflies of Illinois Beach State Park.