

Wisconsin Karner Blue Butterfly Habitat Conservation Plan

20 _____

Monitoring Report Form

Enter year of survey

Level 2: Karner Blue Butterfly Presence/Absence

Purpose

Report on this form results of Karner blue butterfly presence/absence surveys conducted by HCP Partners and their agents.

General Instructions

Return all completed forms with your annual report or sooner each year to:

Wisconsin Department of Natural Resources
 Attn: Karner Blue HCP Coordinator - FR/4
 101 S. Webster St., PO Box 7921,
 Madison, WI 53707-7921

Questions? Contact Dave Lentz (608-261-6451); David.Lentz@Wisconsin.gov . For surveying specifics, refer to the HCP User's Guide for current monitoring protocols <http://dnr.wi.gov/forestry/karner/pdf/HCPUsersGuideMonitoring.pdf>. **Remember to keep a copy of this completed form for your records!**

Partner & Surveyor Information

Date of survey: _____

Are you using this form for (check one):

Partner/landowner name: _____

Pre-management

First and Last name(s) of surveyor(s): _____

Post-management

On-going management

Post-construction assessment

Other: _____

Have you completed monitoring training from the WDNR? (check one): Yes No

If yes, what is the most recent year you attended training: _____ (certification is valid for 5 years)

If no, who were you trained by: _____

Site Location & Description

Complete all site identification information that applies:

County: _____ Partner site code: _____

Site/Project name (or other descriptive name): _____

Management strategy type (check one):

Shifting mosaic (forestry / short term habitat)

Barrens, prairie, or savanna (long term habitat)

Right-of-way (long term habitat)

Post-construction restoration assessment

Legal description: Township _____ Range _____ Section _____

_____ Quarter of _____ Quarter (e.g. NW of SE) Site size (acres): _____

Date of last management activity (on this site): _____ Date of last survey (on this site): _____

Site Validation

Are there at least 25 plants or clumps of lupine, at a density of 50 lupine plants/acre, or 25 lupine plants/200 meters for linear (e.g. right-of-way) sites? (select one): Yes No (If **NO**, stop here! This is not a valid site for Level 2 Surveys.)

General Survey Information

Complete all information in the table on the reverse side for each survey conducted for Karner blue butterflies.

Dates of surveys: The first survey may be done during the first Karner blue butterfly flight period. Second and third surveys are necessary only if Karners are not found in the preceding survey. Both second and third surveys must be done during the second Karner blue butterfly flight period, with a 3-7 day interval between surveys.

Wind speed: Use a Kestrel wind speed monitor OR the following indicators to help you estimate wind speed:

Mph	Indication
<1	Smoke rises vertically
1-3	Wind direction shown by smoke drift
4-7	Wind felt on face, leaves rustle
8-12	Leaves and small twigs in constant motion; small branches sway
13-18	Wind raises dust and loose paper; small branches sway

Karner Blue Butterfly Survey- Information

Survey method: The two acceptable survey methods are (A): walk entire habitat area, and (B) transect method.

Please remember that **three** surveys are required to prove Karner absence. The second and third surveys must be done during the second flight period, with a 3-7 day interval between surveys.

Fill in or circle the appropriate responses for each survey conducted:

	First survey	Second survey (if needed)	Third survey (if needed)
Date (mm/dd/yyyy)			
Start time for survey	am or pm	am or pm	am or pm
End time for survey	am or pm	am or pm	am or pm
Minutes spent on survey			
Temperature (°F)			
Cloud cover (%)			
Wind speed (mph)			
Survey method (circle one)	A B	A B	A B

Karner Blue Butterfly Survey- Observations

Circle the appropriate response for each survey conducted.

	First survey	Second survey	Third survey (if needed)
Larvae feeding signs present?	Yes No Not sure	Yes No Not sure	Yes No Not sure
Ants present?	Yes No Not sure	Yes No Not sure	Yes No Not sure
Karner larvae present?	Yes No Not sure	Yes No Not sure	Yes No Not sure
Ants tending Karner larvae present?	Yes No Not sure	Yes No Not sure	Yes No Not sure
Karner adults present?	Yes No Not sure <i>Optional: number of adults: _____</i>	Yes No Not sure <i>Optional: number of adults: _____</i>	Yes No Not sure <i>Optional: number of adults: _____</i>

Other observations:

Nectar Plant Abundance (optional)

Please assess the general availability of nectar plants during each Karner blue butterfly flight period, and then indicate which individual nectar plant species are present on the site during each flight period. Some nectar plants may not be present or flowering during both flight periods (early flowering species are generally listed before later flowering species in the table).

General availability of nectar plants during 1st flight period:
(first flight periods are generally late May- June)

Abundant - (50% or more coverage of nectar area)
 Common - (25-50% coverage)
 Scarce - (<25% coverage)

General availability of nectar plants during 2nd flight period:
(second flight periods are generally mid-July-mid-August)

Abundant - (50% or more coverage of nectar area)
 Common - (25-50% coverage)
 Scarce - (<25% coverage)

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Nectar Plants Observations *(Optional)*

Nectar plants	1 st flight period (abundant, common or scarce)	2 nd flight period (abundant, common or scarce)
Rock Cress		
Wild strawberry		
Violets		
Dewberry		
Blackberry		
Downy phlox		
Daisy fleabane		
Flowering spurge		
Leafy spurge		
Hawkweed		
Yarrow		
Cinquefoil		
Puccoon		
Clover		
Common milkweed		

Nectar plants	1 st flight period (abundant, common or scarce)	2 nd flight period (abundant, common or scarce)
Butterfly milkweed		
Bergamot		
Asters		
Goldenrod		
Horsemint		
Leadplant		
Coreopsis		
Fleabane		
Black-eyed susan		
New Jersey tea		
Blazing star		
Other:		
Other:		

Site Map

Attach or draw in the space below a site map with Karner observations and Karner habitat clearly indicated. Karner habitat is defined as those areas likely to support Karner blue butterflies and consisting of areas of lupine and associated patches of nectar plants. Supply enough information for future surveyors to be able to relocate and survey the habitat within the site by including landmarks, waterways, distances, cardinal directions, transect locations, etc.

Please note that we generally submit new or updated Karner blue butterfly occurrences to the Natural Heritage Inventory (NHI) at the end of each monitoring season. NHI data are exempt from the Wisconsin Open Records Law because rare species are very vulnerable to collection as well as destruction. NHI does not publish exact locations of rare species. However, the Bureau of Endangered Resources can and does share NHI data to facilitate management, protection, planning, and avoiding impacts to rare resources. Examples of groups we have shared data with are WDNR employees, local units of government, federal agencies, land trusts, and environmental consultants. If you have any questions or concerns about sharing information about Karner occurrences on your properties with NHI, please contact Dave Lentz (608-261-6451).