

## Western Monarch Overwintering Habitat Assessment Data Sheet (Short Form)

Please fill out as much information on this form as you can; skip any field for which you do not have the right equipment or you are uncertain about the answer. Refer to the document **Western Monarch Overwintering Habitat Assessment Instructions** for more information about how to fill out this data sheet. Please return form to [wmtc@xerces.org](mailto:wmtc@xerces.org).

Date \_\_\_\_\_ Site Name \_\_\_\_\_ Site ID # \_\_\_\_\_

County \_\_\_\_\_ Property owner \_\_\_\_\_

Observers \_\_\_\_\_ Start time \_\_\_\_\_ End time \_\_\_\_\_

**Weather** Cloud/fog cover \_\_\_\_\_ % Precipitation: none / drizzle / rain / downpour

Average wind speed \_\_\_\_\_ Max wind speed \_\_\_\_\_ (mph/bft) Temp (°F/C) \_\_\_\_\_ Rel. humidity \_\_\_\_\_

**Location Information** Please provide GPS coordinates of the grove's boundaries. If the grove is an odd-shaped polygon or many cluster trees, please provide additional GPS points as needed, draw a map on the back of this sheet, or make a shapefile/kmz using Google Earth or GIS products.

GPS Point of Grove's Northern corner: \_\_\_\_\_ N \_\_\_\_\_ W +/- \_\_\_\_\_ ft

GPS Point of Grove's Eastern corner: \_\_\_\_\_ N \_\_\_\_\_ W +/- \_\_\_\_\_ ft

GPS Point of Grove's Western corner: \_\_\_\_\_ N \_\_\_\_\_ W +/- \_\_\_\_\_ ft

GPS Point of Grove's Southern corner: \_\_\_\_\_ N \_\_\_\_\_ W +/- \_\_\_\_\_ ft

GPS Point of Cluster tree #1: \_\_\_\_\_ N \_\_\_\_\_ W +/- \_\_\_\_\_ ft

GPS Point of Cluster tree #2: \_\_\_\_\_ N \_\_\_\_\_ W +/- \_\_\_\_\_ ft

Datum of GPS Unit:  NAD27  NAD83  WGS84  Smartphone  Unknown

**Monarchs Observed?** Yes / No. If so, is there an associated count data sheet? Yes / No. If not, roughly how many monarchs were observed? \_\_\_\_\_

### Habitat Information

1. Is there a wind buffer between the cluster trees and edge of the grove? Yes / No / No current cluster trees. If so, in what directions (circle directions that apply)? N, NE, NW, S, SE, SW, W, E  
2. Please describe the grove's tree arrangement (e.g., u-shape, linear along a drainage, dense grove with scattered openings, etc.) including tree species. \_\_\_\_\_

3. Do the cluster trees get direct sunlight? Yes / No / No current cluster trees. If so, during what times of day (circle all that apply)? Morning / Midday / Afternoon / Other \_\_\_\_\_

4. Are there dead/diseased/hazard trees in the grove? Yes / No. If so, describe their location, # of affected trees, and species \_\_\_\_\_

5. Is there fresh water (including dew) available nearby? Yes / No  
If so, what is the source (check all that apply) Dew / Stream / Pond / Lake / Other \_\_\_\_\_

6. Are nectar plants currently blooming nearby? Yes / No  
If so, what species are present? \_\_\_\_\_

7. Did you see monarchs nectaring on specific species? Yes / No  
If so, what species were they nectaring on? \_\_\_\_\_

8. List any threats or disturbances you observe at the site (e.g., storm damage, tree trimming, tree removal, utility maintenance, pesticide use, non-native milkweed, development, fire, etc.)  
\_\_\_\_\_  
\_\_\_\_\_

8. Additional notes: \_\_\_\_\_