

Western Monarch Overwintering Habitat Assessment (Short Form)

Date _____ Site Name _____ Site ID # _____

County _____ Property owner _____

Observers _____ Start time _____ End time _____

Weather: Cloud/Fog Cover _____ % Precipitation: none, drizzle, rain, downpour

Wind (mph or m/s or bft) _____ Temp (°F or C) _____ Dewpoint _____ Relative humidity _____

Please provide GPS coordinates of the grove's boundaries. If the grove is an odd-shaped polygon, please provide additional GPS points as needed or as a shapefile/kmz utilizing ArcGIS or Google Earth.

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 __ Unknown __

Other, please specify (e.g., recreational GPS): _____

Overwintering monarchs select sites based on a specific set of environmental conditions. This includes protection from winds and storms, absence of freezing temperatures, exposure to dappled sunlight, and the presence of high humidity. Please answer the following questions to help better characterize the site's suitability for monarchs.

1. Is there a buffer between predominant and storm winds and the cluster trees? Yes / No

Please describe the tree arrangement (including tree species). _____

2. Do the cluster trees get morning sunlight? Yes / No

3. Are there dead/diseased/hazard trees in the grove? Yes / No

If so, please describe their location, # of affected trees, and species _____

4. Is there fresh water available nearby? Yes / No

If so, what is the source and how far away is it? _____

5. Are nectar plants available nearby? Yes / No

If so, what species and how far away? _____

6. Please list any threats or disturbances you observe at the site (e.g., trimming, tree removal, pesticide use, non-native milkweed, development, fire, etc.) _____

Additional notes:

Please return form to wmtc@xerces.org or
The Xerces Society at 628 NE Broadway, Ste 200, Portland, OR 97232.