

**United States Fish and Wildlife Service
Recommendations for a Schaus Swallowtail Butterfly Survey**

Please provide the information listed below. Surveys are not required west of the Seven Mile Bridge at this time. A Fish and Wildlife Service biologist must be notified at least one day prior to conducting a survey. The survey will not be accepted if these conditions are not met, or if the minimum recommended information listed below is not included in the report. Contact Winston Hobgood at 772-562-3909, extension 306 for additional information. Color scans of various life stages are available on request.

Information to Record

- Observer name, address, and telephone phone number.
- GPS location and property Real Estate number.
- Survey conditions (weather, temperature, cloud cover, etc.).
- Date and time survey begins and ends.
- Number, size, and species of plants [*i.e.* torchwood (*Amyris elemifera*) and wild lime (*Zanthoxylum fagara*)] inspected for eggs, larvae, and chrysalises.
- Number of adults, larvae, and eggs observed.
- Other observations and photographs.

Survey Schedule

| Date | Time of day | Life Stage to Record |
|--------------------------------------|-----------------------------------|-----------------------------|
| 2nd Week of May | 2 hours - 9 to 11 AM | Adults, eggs, larvae |
| 4th Week of May | 2 hours - 9 to 11 AM | Adults, eggs, larvae |
| 2nd Week of June | 2 hours - 9 to 11 AM | Adults, eggs, larvae |
| 3rd Week of June | 2 hours - 9 to 11 AM | Adults, eggs, larvae |
| 4th Week of August | ½ hour between 9 and 11 AM | Chrysalises |

Report

- Write-up of recorded information.
- Property location, legal and physical description, Real Estate number, and owner.
- Include original recorded data, not a photocopy.
- Signed and dated by the observer.
- Complete and verified data will be delivered via digital and/or electronic file.

Send to: Winston Hobgood

U.S. Fish and Wildlife Service
South Florida Ecological Services Office
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Vero Beach, FL 32960-3559