

**USFWS SOUTH FLORIDA SURVEY PROTOCOL
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
2 nd Week of May	2 hours - 9 to 11 AM	Adults, eggs, larvae
4 th Week of May	2 hours - 9 to 11 AM	Adults, eggs, larvae
2 nd Week of June	2 hours - 9 to 11 AM	Adults, eggs, larvae
3 rd Week of June	2 hours - 9 to 11 AM	Adults, eggs, larvae
4 th Week of August	½ hour between 9 and 11 AM	Chrysalises

* Survey duration may vary depending on property size. For example, a large proportion may need to be divided into sections and each section surveyed on successive days.

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
 1339 20th Street
 Vero Beach, FL 32960-3559
 Email: Winston_Hobgood@fws.gov