

Fleas

Order Siphonaptera

ORDER INCLUDES:

- 1 Native Family
- 1 Native Genus
- 1 Native Species
- 1 Endemic Species

GENERAL INFORMATION: Fleas are typically parasites feeding on the blood of their vertebrate hosts. Larvae are free living and feed on organic matter. One endemic species, *Parapsyllus laysanensis*, is known in Hawai'i and is a seabird parasite. This order is poorly known in Hawai'i.

DISTRIBUTION: Hawai'i's one species of flea is known only from Laysan Island in NWHI.

ABUNDANCE: Unknown. A lack of systematic surveys prevents any population estimate.

LOCATION AND CONDITION OF KEY HABITAT: Unknown. However, habitats supporting breeding colonies of seabirds are likely key to this species' survival.

THREATS:

- Loss or degradation of habitat.
- Insufficient information for species assessments.

CONSERVATION ACTIONS: The goals of conservation actions are not only to protect current populations and key breeding habitats, but also to establish additional populations, thereby reducing the risk of extinction. In addition to common statewide and island conservation actions, specific management directed toward *P. laysanensis* should include:

- Conduct surveys to determine distribution of known *P. laysanensis* populations and to document and identify new species.
- Preserve, maintain, and restore habitats supporting existing populations.

MONITORING:

- Continue monitoring the status of known populations.

RESEARCH PRIORITIES:

- Conduct studies to document the biology, habitat requirements, and life history of the endemic species.

References:

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