

California Wildlife Habitat Relationships System
California Department of Fish and Wildlife
California Interagency Wildlife Task Group

GABILAN MTNS SLENDER SALAMANDER *Batrachoseps gabilanensis*
Family: PLETHODONTIDAE Order: CAUDATA Class: AMPHIBIA
A056

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DISTRIBUTION, ABUNDANCE, AND SEASONALITY

Occurs in the Gabilan and southern Diablo ranges, west to the east slope of the Santa Lucia Mountains and north to the southern Santa Cruz mountains and Soquel area (Stebbins 2003). Was once considered a subspecies of the broadly-distributed *B. pacificus* complex, and has now been elevated to specific status. The newly-described species has been found in habitats ranging from redwood and mixed conifer forests to woodlands to chaparral and open grassland (Jockusch et al. 2001).

SPECIFIC HABITAT REQUIREMENTS

Feeding: Feeding probably occurs both above and below ground (Hendrickson 1954). Stebbins (1951) reported that a similar species, the California slender salamander (*B. attenuatus*), fed on earthworms, small slugs, a variety of terrestrial arthropods including sowbugs and millipedes, and insects including collembolans, aphids, caterpillars, small beetles, beetle larvae, and ants. *B. pacificus* probably eats a similar array of prey items.

Cover: *B. pacificus* does not usually excavate burrows. It relies on passages made by other animals, or produced by root decay or soil shrinkage (Yanev 1978). Usually found under boards, rotting logs, rocks and surface litter (Stebbins 1954).

Reproduction: Most reproductive activities probably occur underground (Yanev 1978). Eggs usually are laid in communal sites underground, but near, or under, a flat surface object (Stebbins 1954).

Water: Surface activity is limited to rainy winter months (Yanev 1978).

Pattern: Use relatively small semi-mesic areas (e.g., swales, drainages, etc.) with an overstory of trees or shrubs and abundant rocks, litter, or woody debris.

SPECIES LIFE HISTORY

Activity Patterns: Pacific slender salamanders are active underground from April or May until November or December. After the first winter rains, when moisture and temperature conditions are favorable, they increase surface activities (Stebbins 1954). Normally active at night, and return to cover during daylight. During periods of extended rainfall, they may remain on the surface during the day to feed (Hendrickson 1954). Surface activity is limited by extremes of temperature and unfavorable moisture conditions.

Seasonal Movements/Migration: Highly sedentary; hatchlings presumably disperse, but no data found (Yanev 1978).

Home Range: Probably have a decided tendency towards occupying a home range. Hendrickson (1954) found that adults of *B. attenuatus* moved within a mean range of 1.5 m (5 ft) from their home cover over 2 years, and 59% of the individuals were found repeatedly under the same cover.

Territory: No data.

Reproduction: Lay eggs during late fall and winter. Egg sets have been found from December 8 to January 18. The number of eggs per set ranged from 13 to 20. Hatchlings emerge during winter and early spring. It is not known if adults tend their young (Stebbins 1954).

Niche: As *B. pacificus* is incapable of excavating its own burrows, except in loose soil and leaf litter (Stebbins 1954), competition for cover sites may occur between individuals of the same species and other species with similar habitat requirements (Yanev 1978). Potential predators include spotted and striped skunks, raccoons, ringtails, gray foxes, ringneck snakes, and various skinks, moles, and shrews.

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