

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

PACIFIC JUMPING MOUSE

Zapus trinotatus

Family: DIPODIDAE
M144

Order: RODENTIA

Class: MAMMALIA

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DISTRIBUTION, ABUNDANCE, AND SEASONALITY

Occurs along the North Coast from Marin Co. north to the border of Oregon. It is locally common to abundant in riparian, grassland, and wet meadow habitats, and somewhat less common in grassy understory of open canopied coniferous forest habitats. Occurs in the narrow, humid, fog zone of North Coast forests, usually along creek banks, or under ferns and herbs in the forest (Howell 1920, Bailey 1936, Gannon 1988).

SPECIFIC HABITAT REQUIREMENTS

Feeding: Eats primarily wild grass seeds, but also seeds of skunkcabbage, berries, some fungi, and insects (Marcot 1979). Maser and Franklin (1974) found that along the Oregon coast, ate the fruits of thimbleberry, salmon-berry, and evergreen huckleberry, and the seeds of skunkcabbage, among other foods. Cuts off the stems of grasses and eats the seeds (Bailey 1936).

Cover: In summer, grassy nests are constructed on the ground beneath dense vegetation or slash. In winter, burrows are excavated in moist soil and nests of fine grass, shredded paper (when available), or moss are constructed.

Reproduction: During summer, well-hidden, fragile, spherical or dome-shaped nests are constructed of grasses (or moss in bogs). Nests apparently are for 1 individual, and have only 1 entrance, on the side. Size approximately 15 cm (6 in) in diameter, and 23-25 cm (9-10) in height (Taylor and Shaw 1927, Maser et al. 1981). Young are born in these grass nests.

Water: No data found, but probably requires, or prefers, free water.

Pattern: Dense, herbaceous growth in moist areas beneath, or near, coniferous forest is preferred habitat.

SPECIES LIFE HISTORY

Activity Patterns: Nocturnal, though occasionally seen in daytime (perhaps flushed from ground nests). Hibernates during the winter, beginning in late October and early November (Svihla and Svihla 1933, Svihla 1941).

Seasonal Movements/Migration: None.

Home Range: No data found.

Territory: No data found.

Reproduction: Breeds from May to September, with peak in late May to late August (Marcot 1979). Gestation period probably about 18 days (as it is for *Z. hudsonicus*, Godin 1977). Litter size probably averages 5 young (range 4-8). One or 2 litters/yr. Weaning occurs at about 4 wk (Godin 1977). Sexual maturity is achieved in the spring following birth.

Niche: A poorly known resident of the north coastal redwood zone. Its distribution seems to be confined to the fog-drip zone in California. Apparently hibernates in cold, foggy weather (Ingles 1965). Predators include foxes, coyotes, house cats, hawks, owls, snakes, and fish. An agile swimmer (Bailey 1936).

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