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GYPSY MOTH is a major pest of forest and shade trees in southern Ontario, southern Quebec, and the northeastern United States. Since the 1980s, it has been present in southwestern New Brunswick and western Nova Scotia. The hairy larvae are easily recognized by the five pairs of blue and six pairs of red dots along their backs. As part of the province-wide gypsy moth monitoring program, 25 gypsy moth pheromone traps were placed by Park personnel in 1994. There was only one male moth caught in one trap, compared to last year when two male moths were caught in one trap. No other life stages of the gypsy moth were found in the Park or elsewhere on Prince Edward Island. Visitors are requested to report any suspected gypsy moth finds to Park personnel.

BIRCH LEAFMINER larvae feed between the epidermal layers of the leaf and produce a blotch mine which turns reddish brown, as the season progresses, giving heavily infested trees a scorched appearance. Four species of birch leafminer occur in the Maritimes but, until this year, only three were recorded in the Park. The fourth, the early birch leaf edgeminer, *Messa nana* (Klug.) was collected at the Cavendish campground and Rustico Island for the first time. These collections, plus at two other locations elsewhere on the Island, represent the first time *Messa nana* has been collected on Prince Edward Island. Patches of trace and light leaf browning were observed on white birch and wire birch throughout the Park. The highest injury was observed at Cavendish and Dalvay Pond but only at light damage levels.

SPRUCE BUDMOTHS overwinter in the egg stage and emerge in the spring as larvae ready to feed in the developing buds. They tie the bud cap to the shoot with silk and can cause severe damage to new shoots on open-grown and ornamental white spruce. An average of 31% of the white spruce shoots were affected throughout the Park, with the highest occurrence (51%) at Cavendish campground. This represents a decrease from last year's average of 42% and high of 63%; it is the first decrease since 1991.

NOTES ON SOME OTHER PESTS OF INTEREST:

Eastern spruce gall adelgid damaged an average of 12% of the white spruce shoots in the Park; **pine bark adelgid** populations were light and moderate with some severe on the branches and stems of white pine along the Farmlands Trail; **fall webworm** nests were a common sight on hardwoods throughout the Park for the second consecutive year; leaf browning by the **alder flea beetle** was moderate and severe on alder at Dalvay Pond and Long Pond; **cherry blight** was light on pin cherry throughout the Park; feeding by the **snowshoe hare** was light and moderate on white pine and light on red pine along the Farmlands Trail; old and new damage by **Hypoxylon canker** was observed on trembling aspen at numerous locations, with the worst damage being 40% of the trees with new cankers and 48% with old infection at Rustico Island campground.

A.W. MacKay Forest Insect and Disease Survey March 1995