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PEST REPORT

Pacific Forestry Centre • 506 West Burnside Rd. • Victoria, B.C. • V8Z 1M5

October 1985

MOUNTAIN PINE BEETLE IN MANNING PROVINCIAL PARK

N. Humphreys
Forest Insect and Disease Survey

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SUMMARY

A helicopter survey of the park on September 10th, in cooperation with the B.C. Ministry of Lands, Parks and Housing and the Ministry of Forests, Vancouver Region, mapped about 250 lodgepole pine recently killed by mountain pine beetle, mainly along Copper Creek (Map). Ground surveys of infested stands, totalling four man-days, in the Copper Creek drainage and north of Highway 3 between Cambie Creek and the Cascade Lookout access road (Map), found 7% current attack (10 trees) in Copper Creek up from 4% in 1984, and one currently attacked tree, two partial attacks and eight pitched out attacks north of Highway 3.

The 0.5 hour helicopter survey recorded 150 recent beetle-killed lodgepole pine at Copper Creek in 7 pockets of 10-50 trees, about 39 trees in groups of 1 to 5 scattered from Goodfellow Creek to Cambie Creek; and 13 trees scattered in groups of 1-3 in the upper part of Monument Creek.

Ground surveys examined several thousand trees along two strips 3 500 m long by 10 m wide between the Cascade Lookout access road and Cambie Creek. Susceptible lodgepole pine in 19 (5 BAF) prism plots about 50 m apart were examined over about 16 ha in Copper Creek.

Survey data indicates increasing populations particularly in Copper Creek where the 10 currently infested trees contained an average of 8.1 live larvae per 1000 cm² bark sample at breast height.

Removal of trees with live broods prior to their emergence in mid-1986 would reduce the potential for attack by surviving broods of adjacent susceptible pine stands in and adjacent to the Park.

* * * * *

MOUNTAIN PINE BEETLE

MANNING PROVINCIAL PARK, 1985

● 1 LP, 50 LP Mountain pine beetle-killed lodgepole pine

→ Aerial survey flight line

— Ground surveys

Forest Insect and Disease Survey
Canadian Forestry Service

Scale: 1:50 000



