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## FOREST INSECT AND DISEASE SURVEY

# PEST REPORT

Pacific Forest Research Centre • Canadian Forestry Service • Victoria

November 28, 1972.

### LODGEPOLE PINE ATTACKED BY MOUNTAIN PINE BEETLE

IN THE NELSON FOREST DISTRICT, 1972

Ernie Morris and Jack Monts

Over 6,000 red-top lodgepole pine trees killed by the mountain pine beetle, *Dendroctonus ponderosae*, were counted during aerial and ground surveys of the Nelson Forest District in 1972. The largest concentrations of red-top trees were at Elk Creek (2,650), North White River (245), Redgrave (975), and Kallis Creek (2,000). Generally attacks were in mature and overmature stands.

Two cruise strips totalling 140 chains in length, with prism plots every two chains, were run in the Elk and Kallis Creek infestations on September 19. Trees in the plots were classified by the year of beetle attack.

Location	Not attacked	% Attacked				Average	
		1972 Green	1972 Partial	1971 Red	Prior to 1971 Old greys	D.b.h.	Height
Elk Creek	65	7	9	10	9	14"	105'
Kallis Creek	83	6	10	1	0	12"	85'

At Elk and Kallis creeks attacks were lighter in 1972 than in 1971. Overwintering beetles occurred in moderate numbers in 1972-attacked trees; most of the beetles were in the larval stage although some parent adults were present. Sanitation logging has reduced the number of infested trees at these two areas of infestation.