

FOREST INSECT AND DISEASE SURVEY

YUKON DISTRICT

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INTRODUCTION

A change in the field survey staff of the forest insect and disease survey necessitated combining the Yukon and the North Prince George districts in 1965. Assessments of spruce budworm infestations in the North Prince George District required the majority of attention and resulted in only four days of survey work in the Yukon; this was done during the second week of July. Sampling was carried out only at the permanent sampling stations between Watson Lake and Mile 995, Alaska Highway.

Map 1 shows the distribution of the 41 forest insect and three forest disease collections submitted in 1965. Collections by hosts are listed in Table 1.

Table 1

Collections by Hosts

Yukon District, 1965

Coniferous hosts	Forest insects	Forest diseases	Broad-leaved hosts	Forest insects	Forest diseases
Fir, alpine	1	0	Alder spp.	1	0
Larch, eastern	1	0	Aspen, trembling	4	1
Pine, lodgepole	9	0	Poplar, balsam	1	0
Spruce, black	3	0	Willow spp.	2	0
Spruce, white	16	2	Miscellaneous	3	0
Totals	30	2		11	1
GRAND TOTAL				41	3

# FOREST INSECT CONDITIONS

## Important Insects

Black-headed Budworm, Acleris variana (Fern.)

Larvae of A. variana were collected in beating samples from white spruce in the Yukon in 1965 with a maximum of one larva per sample; 25% of the collections were positive.

Aspen Leaf Miner, Phyllocnistis populiella Cham.

The plots established for studies of leaf miner populations in the Yukon District were not visited in 1965. Spot checks indicated a light to moderate population of the insect was present.

## Other Noteworthy Insects

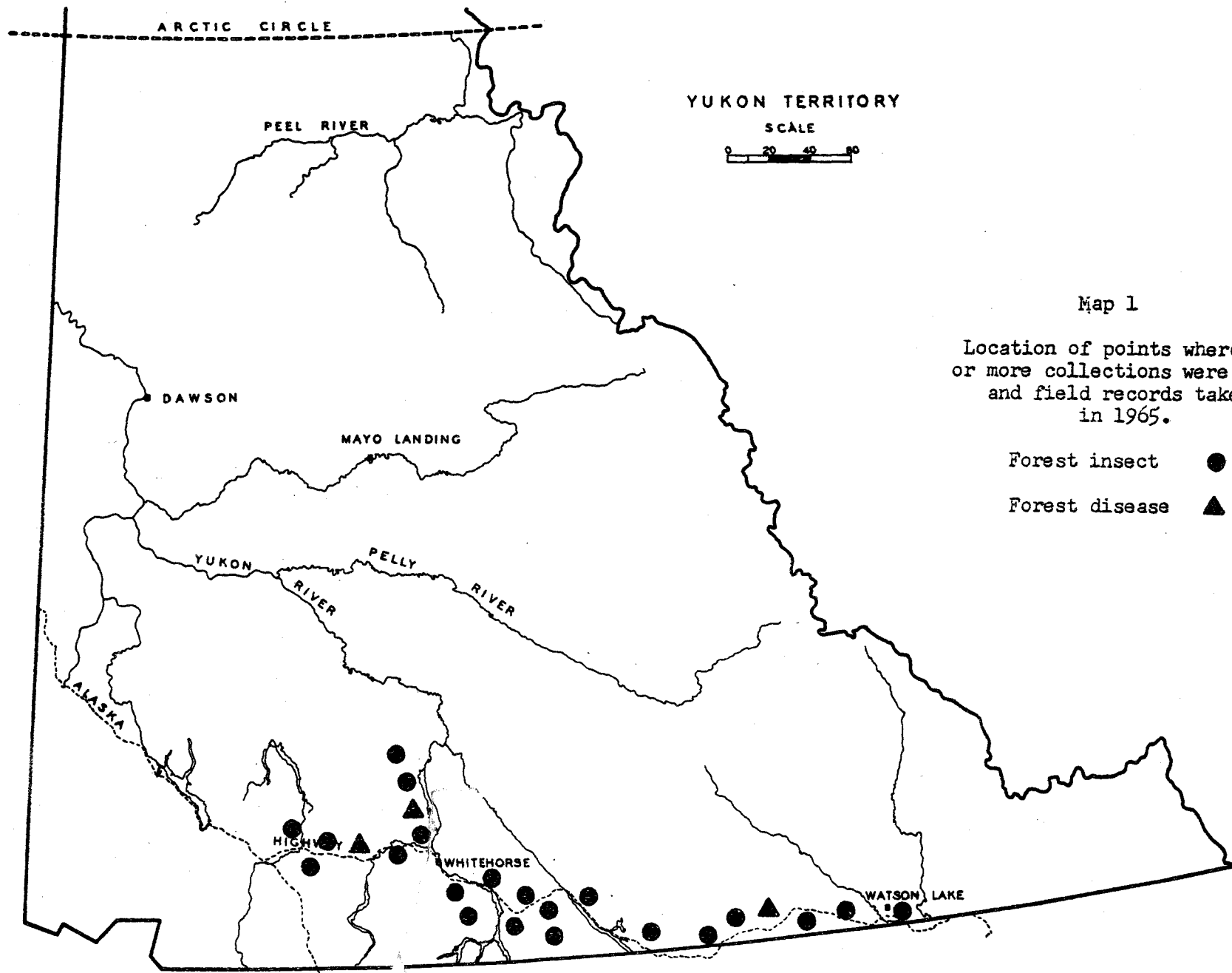
Insect	Host	No. of collections	Remarks
<u>Pikonema alaskensis</u> (Roh.)	Sw	2	A spruce sawfly; maximum of three larvae per collection.
<u>P. dimmockii</u> (Cress.)	Sw	6	A spruce sawfly; 37% of collections contained larvae.
<u>Pissodes</u> sp.	Pl	1	Larvae were found in root collar of host at Mile 898 A.H.
<u>Zeiraphera fortunana</u> Kft.	Sw	2	A spruce tip moth; maximum of four larvae per sample.

# FOREST DISEASE CONDITIONS

## Important Diseases

A Needle Cast on Spruce

A needle cast on white spruce caused by Bifusella crepidiformis Darker was collected in the Yukon District in 1965. The disease is capable of causing serious damage but infection in 1965 seemed to be at a low level.



Map 1

Location of points where one or more collections were made and field records taken in 1965.

Forest insect ●  
Forest disease ▲