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# ***Forest Insects Collected in Elk Island National Park, 1948-1971***

**by R. M. Caltrell and J. C. E. Melvin**



**Report NOR-X-111  
August, 1974**

northern forest research centre  
edmonton, alberta

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R.M. CALTRELL AND J.C.E. MELVIN

NORTHERN FOREST RESEARCH CENTRE  
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**Northern Forest Research Centre, Canadian Forestry Service**

**Department of the Environment, Edmonton, Alberta**

*ABSTRACT*

*Forest insects collected in Elk Island National Park from 1948 to 1971 are listed alphabetically by order, family, genus, and species. Hosts, numbers of collections, and stages of the insects when collected are shown.*

*RESUME*

*Les insectes forestiers récoltés de 1948 à 1971 dans le parc national du Elk Island sont énumérés alphabétiquement selon les ordres, les familles, les genres et les espèces. A ceci s'ajoutent les hôtes, le nombre des récoltes et les stades de développement des insectes, s'il y a eu récolte.*

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*Introduction*

The Forest Insect and Disease Survey, operating within a number of federal government departments, has been collecting forest insects in the Prairie Provinces and western National Parks since 1937. The vast majority of collections were made following post-war staff increases. Since 1948, all collections have been recorded on computer tapes, along with pertinent ecological data. Computer print-outs were used to compile the following annotated list of insects collected in Elk Island National Park from 1948 to 1971.

As most collections were made by beating foliage over a canvas sheet, some of the hosts shown for adult collections may be inaccurate. Because of the emphasis placed on the collection of some insects for special studies, the numbers of collections do not necessarily reflect the relative abundance of species.

*LIST OF COMMON NAMES OF PLANTS USED WITH SCIENTIFIC EQUIVALENTS*

Alder	Alnus
Aspen, Trembling	Populus tremuloides Michx.
Birch, Swamp	Betula pumila L.
Dogwood	Cornus
Larch, Eastern	Larix laricina (Du Roi) K. Koch
Poplar, Balsam	Populus balsamifera L.
Spruce, White	Picea glauca (Moench.) Voss
Spruce, Colorado	Picea pungens Engelm.
Willow	Salix

## COLEOPTERA

Family Genus	Species	Host	Number of Collections	Stage Collected
<b>CERAMBYCIDAE</b>				
Clytus	ruricola Oliv.	Dogwood	1	A
Monochamus	scutellatus Say.	Eastern larch	1	A
Rhagium	inquisitor Linn.	White spruce	1	A
Saperda sp.		Trembling aspen	1	L
	calcarata Say.	Trembling aspen	1	L
<b>CHRYSOMELIDAE</b>				
Gastrophysa	polygoni Linn.	White spruce	1	A
Gonioctena	americana Schaef.	Trembling aspen	9	L A
Orsodacne	atra Ahr.	Trembling aspen	1	A
Phratora	purpurea Brown	Trembling aspen	1	A
Pyrrhalta	decora (Say)	Trembling aspen	8	A
		Balsam poplar	3	A
		Willow	1	A
<b>COCCINELLIDAE</b>				
Hippodamia	tredecimpunctata tibialis Say.	Misc.	1	A
<b>CURCULIONIDAE</b>				
Lepyrus	palustris Scop.	Trembling aspen	2	A
Pissodes	engelmanni Hopk.	White spruce	1	L
	schwarzi Hopk.	White spruce	1	A
<b>ELATERIDAE</b>				
Ctenicera	resplendens resplendens Esch.	White spruce	1	A
	triundulata Rand.	Balsam poplar	1	A
	propola propola Lec.	Trembling aspen	2	A

## COLEOPTERA

## LAMPYRIDAE

Lucidota sp.	Trembling aspen	1	A
Pyractomena sp.	White spruce	2	P A



## DIPTERA

Family Genus	Species	Host	Number of Collections	Stage Collected
<b>ANTHOMYIIDAE</b>				
	Hylemya sp.	White spruce	2	
<b>CECIDOMYIDAE</b>				
Rhabdophaga	swainei Felt.	White spruce	1	

## HEMIPTERA

Family Genus	Species	Host	Number of Collections	Stage Collected
<b>PENTATOMIDAE</b>				
Elasmostethus	cruciatus Say.	Swamp birch	1	A

## HOMOPTERA

Family Genus	Species	Host	Number of Collections	Stage Collected
<b>APHIDIDAE</b>				
Mindarus	abietinus Koch.	White spruce	1	L
Pemphigus sp.		Balsam poplar	1	A
	monophagus Maxson	Balsam poplar	1	A
Thecabius	populi-conduplifo- lius Cowen	Balsam poplar	1	A
<b>ADELGIDAE</b>				
Adelges	lariciatus Patch.	White spruce	2	

## HYMENOPTERA

Family Genus	Species	Host	Number of Collections	Stage Collected
<b>DIPRIONIDAE</b>				
Neodiprion	sp.	Alder	1	L
<b>PAMPILIIDAE</b>				
Acantholyda	sp.	White spruce	1	L
<b>TENTHREDINIDAE</b>				
Anoplonyx	sp.	Eastern larch	2	L
Pikonema	alaskensis Roh.	White spruce	6	L
		Colorado spruce	1	L
	dimmockii Cress.	White spruce	3	L
Pristiphora	erichsonnii Htg.	Eastern larch	4	L
		Siberian larch	1	L

## LEPIDOPTERA

Family Genus	Species	Host	Number of Collections	Stage Collected
<b>GELECHIIDAE</b>				
Compsolechia	noveopulvella Cham.	Trembling aspen	3	L
<b>GEOMETRIDAE</b>				
Biston	cognataria Gn.	Alder	1	L
Campaea	perlata Gn.	Trembling aspen	3	L
		Swamp birch	2	L
		Alder	2	L
		Balsam poplar	1	L
		Willow	1	L
Caripeta	divisata Wlk.	White spruce	1	L
Ectropis	crepuscularia Schiff.	Dogwood	1	L
Eupithecia	luteata Pack.	White spruce	1	L
Hypagyrtis	piniata Pack	White spruce	1	L
Hyperetis	amicaria	Alder	3	L
	alienaria H.S.			
Iridopsis	larvaria Gn.	Alder	2	L
Itame	loricaria Evers	Trembling aspen	5	L
	loricaria julia Hlst.	Willow	1	L
Lycia	ursaria Wlk.	Alder	1	L
Operophtera	bruceata Hlst.	Trembling aspen	7	L
Plagodis	phlogosaria	Alder	1	L
	approximaria Dyar.			
Plemyria	georgii Hlst.	Alder	1	L

## LEPIDOPTERA

Protitame	virginalis Hlst.	Dogwood	1	L
		Trembling aspen	1	L
Protoboarmia	porcelaria indicataria Wlk.	White spruce	2	L
Selenia	alciphearia Wlk.	Alder	1	L
Semiolitha	granitata Gn. sexmaculata Pack. ulsterata Pears.	White spruce	1	L
		Eastern larch	2	L P
		Alder	1	L
GRACILLARIIDAE				
Gracillaria	sp.	Alder	1	L
LASIOCAMPIDAE				
Epicnaptera	americana Harr.	Alder	2	L
Malacosoma	disstria Hgn.	Trembling aspen	6	L
		Balsam poplar	1	L
		Willow	1	L
		White spruce	1	L
LYMANTRIIDAE				
Orgyia	antiqua L.	Alder	2	L
		Dogwood	1	L
NOTODONTIDAE				
Gluphisia	septentrionalis Wlk.	Trembling aspen	1	P
Ichthyura	brucei Hy. Edw.	Trembling aspen	1	L

## LEPIDOPTERA

Pheosia	rimosa Pack.	Trembling aspen	1	L
Schizura	unicornis J. E. Smith	Alder	1	L
OLETHREUTIDAE				
Aphania	dextrana McD.	Trembling aspen	2	L
Badebecia	urticana Hbn.	Trembling aspen	1	L
Laspeyresia	youngana Kft.	White spruce	1	L
Pseudexentera	oregonana Wlsh.	Trembling aspen	5	L
NOCTUIDAE				
Acronicta	leporina Linn.	Trembling aspen	1	L
Autographa	ampla Wlk.	Alder	1	L
Brachylomia	populi Stkr.	Balsam poplar	1	L
Catocala	briseis Edw.	Trembling aspen	1	L
Energia	decolor Wlk.	Trembling aspen	2	L
Feralia	yosemitae Grt.	White spruce	4	L
Homoglaea	hircina Morr.	Trembling aspen	2	L
Lithophane sp.		Dogwood	1	L
Orthosia	hibisci Gn.	Trembling aspen	6	L
Syngrapha	alias Ottol.	White spruce	1	L
Xylena	curvimacula Morr.	Trembling aspen	1	L
SPHINGIDAE				
Smerinthus	cerisyi Kby.	Trembling aspen	1	L
TORTRICIDAE				
Acleris	hudsoniana Wlk.	Alder	1	L

## LEPIDOPTERA

Choristoneura	conflictana Wlk.	Trembling aspen	4	L
		Balsam poplar	1	L
Clepsia	persicana Fitch	Trembling aspen	1	L
Pandemis	canadana Kft.	Trembling aspen	3	L
Tortricid sp.		Highbush cranberry	1	L