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Forest Insects Collected in Kananaskis Forest Experiment Station Area, 1948 - 1971

by E. J. Gautreau and J. C. E. Melvin



**Report NOR-X-88
August, 1974**

**northern forest research centre
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FOREST INSECTS COLLECTED
IN
KANANASKIS FOREST EXPERIMENT STATION AREA
1948-1971

By
E.J. GAUTREAU AND J.C.E. MELVIN

NORTHERN FOREST RESEARCH CENTRE
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ABSTRACT

Forest insects collected in the vicinity of the Kananaskis Forest Experiment Station 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 à l'environn de la Station Experimental des Forêts à Kananaskis 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 récolté.

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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 Kananakis area since the formation of the Alberta Survey in 1948. During the period from 1948 to 1960, all summer rearing was conducted on the Station and a large number of collections were made by insectary staff. Since 1948, all collections have been recorded on computer tape along with relevant ecological data. A computer print-out was used to compile the following annotated list of insects. As most of the collections were taken by beating foliage over a canvas sheet, some of the hosts shown for adult collections may be inaccurate. The numbers of collections do not necessarily reflect the relative abundance of species, due to the emphasis placed on the collection of some insects for special studies.

The great majority of the collections listed were made within the Station boundaries as they existed in 1948, and most within the present boundaries. A few collections may have been made immediately outside the boundaries because of the method of data retrieval based on a 4-mile coded grid system.

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

Alder	<i>Alnus</i> B. Ehrh.
Aspen, Trembling	<i>Populus tremuloides</i> Michx.
Birch	<i>Betula</i> L.
Birch, Dwarf	<i>Betula glandulosa</i> Michx.
Birch, Water	<i>Betula fontinalis</i> Sarg. = <i>B. occidentalis</i> Hook.
Birch, White	<i>Betula papyrifera</i> Marsh.
Caragana	<i>Caragana</i> spp.
Cherry, Choke	<i>Prunus virginiana</i> L.
Cottonwood, Black	<i>Populus trichocarpa</i> Torr. & Gray
Cottonwood, Plains	<i>Populus deltoides</i> Marsh.
Dogwood	<i>Cornus</i> L.
Elm, White	<i>Ulmus americana</i> L.
Fir, Alpine	<i>Abies lasiocarpa</i> (Hook.) Nutt.
Fir, Douglas	<i>Pseudotsuga menziesii</i> (Mirb.) Franco var. <i>glauca</i> (Beissn) Franco.
Juniper	<i>Juniperus</i> L.
Juniper, Common	<i>Juniperus communis</i> L.
Maple, Douglas	<i>Acer glabrum</i> Torr.
Pine, Limber	<i>Pinus flexilis</i> James.
Pine, Lodgepole	<i>Pinus contorta</i> Dougl. var. <i>latifolia</i> Engelm.
Poplar	<i>Populus</i> L.
Poplar, Balsam	<i>Populus balsamifera</i> L.
Spruce	<i>Picea</i> A. Dietr.
Spruce, Engelmann	<i>Picea engelmannii</i> Parry.
Spruce, White	<i>Picea glauca</i> (Moench.) Voss.
Willow	<i>Salix</i> L.

Insect	Host	Number of Collections	Stage Collected
ARANEIDA			
CLUBIONIDAE <i>Clubiona</i> sp.	Lodgepole pine	1	A
MICRYPHANTIDAE <i>Ceraticelus</i> prob. <i>alticeps</i> Fox.	Lodgepole pine	1	A
ACARINA			
ACARIDAE <i>Histiogaster</i> sp.	Lodgepole pine	1	A
ASCIDAE <i>Proctolaelaps</i> sp.	Lodgepole pine	1	A
CERATOZETIDAE <i>Ceratozetes</i> sp. <i>Diapterobates principalis</i> (Berlese) <i>Trichoribates</i> sp. nr. <i>lemellatus</i> (Ewing)	Lodgepole pine Lodgepole pine Lodgepole pine	5 1 2	A A A
ERYTHRAEIDAE <i>Abrolaphus</i> sp.	Lodgepole pine	1	A
EUPODIDAE <i>Eupodid</i> sp.	Lodgepole pine	1	A
LAELAPIDAE <i>Androlaelaps casalis</i> (Berlese)	Lodgepole pine	1	A
COLLEMBOLA			
PODURIDAE <i>Hypogastrura</i> sp.	Lodgepole pine	1	A
PSOCOPTERA			
LIPOSCELIDAE <i>Liposcelis</i> sp.	Lodgepole pine	1	A

PSOCIDAE					
Loensia sp.	Lodgepole pine	1			A
Psocus sp.	Lodgepole pine	2	N		A
PSEUDOCaeciliidae					
Peripsocus sp.	Lodgepole pine	1			A
THYSANOPTERA					
THRIPIDAE					
Taeniothrips sp.	Lodgepole pine	1			A
PHLAEOTHRIPIDAE					
Tubilifera sp.	Lodgepole pine	1	N		
COLEOPTERA					
ANOBIIDAE					
Ernobius sp.	Lodgepole pine	2			A
BUPRESTIDAE					
Agrilus politus Say.	Willow	1			A
Chrysobothris scabripennis cast-					
Gory	White spruce	1			A
Dicerca sp.	Trembling aspen	3			A
Melanophila sp.	White spruce	1			A
CANTHARIDAE					
Podabrus sp.	White spruce	2			A
	Lodgepole pine	2			A
	Trembling aspen	1			A
	Misc.	4			A
Silis difficilis Lec.	White spruce	1			A
	Lodgepole pine	1			A
CEPHALOIIDAE					
Cephaloon tenuicorne Lec.	White spruce	1			A
CERAMBYCIDAE					
Anoplodera sp.	Trembling aspen	1			A
aspera Lec.	Alpine fir	1			A
	White spruce	1			A
Asemum striatum Linn.	Lodgepole pine	1			A
Cortodera longicornis Kby.	Lodgepole pine	1			A
subpilosa Lec.	Misc.	1			A
Grammoptera subargentata Kby.	Alpine fir	1			A
Monochamus scutellatus Say.	White spruce	3	L		A
Pogonocherus propinquus Fall.	Alpine fir	1			A
Saperda calcarata Say.	Trembling aspen	5			A
populnea var.	Trembling aspen				
moesta Linn.		1			A

<i>Tetropium</i> sp.	<i>Alpine fir</i>	1	A
<i>Xylotrechus undulatus</i> Say.	<i>White spruce</i>	1	A
CHYSOMELIDAE			
<i>Chrysomela</i> sp.	<i>Willow</i>	1	A
<aeneicollis< a=""> Schffr.</aeneicollis<>	<i>Willow</i>	1	A
schaefferi Brown	<i>Willow</i>	1	L A
<i>Disonycha latifrons asteris</i>	<i>No host</i>	1	A
Schaef.			
<i>Gonioctena americana</i> Schaef.	<i>Trembling aspen</i>	5	L
<i>Leptinotarsa decemlineata</i> Say.	<i>Misc.</i>	1	L
<i>Orsodacne atra</i> Ahr.	<i>Misc.</i>	1	A
<i>Pyrrhalta decora</i> Say.	<i>Trembling aspen</i>	1	A
	<i>Willow</i>		
<i>Syneta</i> sp.	<i>White spruce</i>	1	A
	<i>Lodgepole pine</i>	1	A
	<i>Alder</i>	1	A
<pilosa< p=""> Brown</pilosa<>	<i>White spruce</i>	2	A
	<i>Engelmann spruce</i>	1	A
	<i>Alpine fir</i>	2	A
CICINDELIDAE			
<i>Cicindela</i> sp.	<i>No host</i>	2	A
longilabris Say.	<i>No host</i>	2	A
COCCINELLIDAE			
<i>Anatis mali</i> Say.	<i>Lodgepole pine</i>	1	A
<i>Anisocalvia quatuordecimguttata</i>			
Linn.	<i>Alder</i>	1	A
<i>Coccinella</i> sp.	<i>Lodgepole pine</i>	1	A
transversoguttata			
richardsonii Brown.	<i>Balsam poplar</i>	4	A
	<i>Lodgepole pine</i>	4	L A
	<i>Engelmann spruce</i>	1	A
	<i>Common juniper</i>	1	A
	<i>Trembling aspen</i>	1	A
	<i>Willow</i>	2	A
	<i>Misc.</i>	4	A
<i>Mulsantina</i> sp.	<i>Lodgepole pine</i>	1	A
	<i>No host</i>	1	A
picta Rand.	<i>White spruce</i>	4	A
CRYPTOPHAGIDAE			
<i>Cryptophagus</i> sp.	<i>Douglas fir</i>	1	A
CURCULIONIDAE			
<i>Brachyrhinus ovatus</i> Linn.	<i>White spruce</i>	1	A
	<i>Lodgepole pine</i>	1	A
	<i>No host</i>	1	A
<i>Cylindrocopturus</i> sp.	<i>Lodgepole pine</i>	1	A
deleoni Bueh.	<i>Lodgepole pine</i>	9	A
<i>Hylobius</i> sp.	<i>Engelmann spruce</i>	1	R
	<i>Pine</i>	1	L
	<i>Lodgepole pine</i>	1	R

<i>Lepyrus</i> sp.	Trembling aspen	1	A
<i>palustris</i> Scop.	Lodgepole pine	1	A
	White spruce	1	A
	Trembling aspen	1	A
<i>Magdalis</i> sp.	Lodgepole pine	2	A
	Douglas fir	1	A
<i>Pissodes</i> sp.	Lodgepole pine	5	L A
<i>burkei</i> Hopk.	Alpine fir	1	A
<i>engelmanni</i> Hopk.	White spruce	1	R
<i>schwarzi</i> Hopk.	Lodgepole pine	7	P A
<i>terminalis</i> Hopk.	Lodgepole pine	1	
<i>Rhynchites</i> bicolor F.	Willow	1	A
	Misc.	1	A
<i>Scythropus elegans</i> Couper	Lodgepole pine	1	A
<i>Tychius</i> sp.	Misc.	1	A
 ELATERIDAE			
<i>Ampedus</i> sp.	Willow	1	A
<i>rhodopus</i> Lec.	No host	1	A
<i>Ctenicera mendax</i> Lec.	Misc.	1	A
<i>ochreipennis</i> Lec.	Douglas fir	1	A
<i>pudica</i> Brown	White spruce	2	A
<i>resplendens</i>	Trembling aspen	1	A
<i>resplendens</i> Esch.	Lodgepole pine	1	A
<i>semimetallica</i> Walk.	Lodgepole pine	1	A
<i>stricklandi</i> Brown	Misc.	1	A
<i>Dalopius</i> sp.	Engelmann spruce	1	A
	White spruce	1	A
<i>fucatus</i> Brown	Misc.	1	A
<i>Lacon brevicornis</i> Lec.	White spruce	1	A
<i>Limonius aeger</i> Lec.	White spruce	3	A
	Dwarf birch	1	A
	Misc.	2	A
<i>Sericus brunneus</i> Linn.	White spruce	1	A
 LATHRIDIIDAE			
<i>Corticaria</i> sp.	Lodgepole pine	4	A
<i>Enicmus</i> sp.	Lodgepole pine	1	A
<i>Microgamme filum</i> (Aube)	Lodgepole pine	1	A
 MELANDRYIDAE			
<i>Xylita laevigata</i> Hellw.	Lodgepole pine	1	A
 MELOIDAE			
<i>Lytta viridana</i> Lec.	No host	1	A
 MELYRIDAE			
<i>Hoppingiana hudsonica</i> Lec.	White spruce	2	A
 NITIDULIDAE			
<i>Epuraea obliquus</i> Hatch.	Lodgepole pine	39	L A
<i>Glischrochilus vittatus</i> Say.	Lodgepole pine	1	A
<i>Nitidula</i> sp.	Lodgepole pine	1	A

SCARABAEIDAE

<i>Dichelonyx</i> sp.	Douglas fir	1	A
<i>backii</i> Kby.	Lodgepole pine	3	A
	Trembling aspen	3	A
	Willow	2	A
	Alpine fir	1	A
	Misc.	1	A
	No host	1	A
<i>fulgida</i> Lec.	Alpine fir	1	A

SCOLYTIDAE

<i>Dendroctonus</i> sp.	Lodgepole pine	4	L	A
<i>murrayanae</i> Hopk.	Lodgepole pine	1		A
<i>rufipennis</i> Kby.	Engelmann spruce	3		A
	White spruce	2		A
<i>Dryocetes affaber</i> Mann.	Engelmann spruce	1		A
	White spruce	1		A
<i>Ips</i> sp.	Lodgepole pine	2		A
	Engelmann spruce	1		A
<i>amiskwiensis</i> G. Hopk.	Engelmann spruce	2		A
<i>borealis</i> SW.	Alpine fir	1		A
	Engelmann spruce	1		A
<i>engelmanni</i> SW.	White spruce	1		A
	Engelmann spruce	2		A
<i>guildi</i> Blackm.	White spruce	1		A
<i>interpunctus</i> Eich.	Lodgepole pine	1		A
<i>oregoni</i> Eich.	White spruce	1		A
<i>perturbatus</i> Eich.	Lodgepole pine	1		A
	Alpine fir	1		A
	Spruce	1		A
	Engelmann spruce	1		A
	White spruce	1		A
<i>tridens</i> Mann.	Engelmann spruce	1		A
<i>Orthotomicus latidens</i> (Lec.)	Lodgepole pine	1		A
<i>Pityophthorus</i> sp.	Alpine fir	1		A
<i>murrayanae</i> Blkm.	Lodgepole pine	1		A
<i>Polygraphus rufipennis</i> Kby.	Alpine fir	1		A
<i>Scierus annectens</i> Lec.	Engelmann spruce	1		A
<i>Trypodendron lineatum</i> Olivier	White spruce	2	L	A

STAPHYLINIDAE

<i>Atheta</i> sp.	Lodgepole pine	5		A
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TENEBRIONIDAE

<i>Corticeus</i> sp.	Engelmann spruce	1		
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DIPTERA

CECIDOMYIIDAE

<i>Mayetiola</i> sp.	White spruce	1		
<i>piceae</i> Felt.	White spruce	1		
<i>rigidae</i> O.S.	Willow	1	L	

Mycodiplosis sp.	Lodgepole pine	6	L	P
Rhabdophaga sp.	Willow	1		
salicisbatates O.S.	Willow	1		
swainei Felt	White spruce	6		
 CHLOROPIDAE				
Oscinella sp.	Lodgepole pine	1		A
 DOLICHOPODIDAE				
Medetera sp.	Lodgepole pine	2		A
 DROSOPHILIDAE				
Paracacoxenus guttatus Melander & Spuler	Lodgepole pine	8		A
 LONCHAEIDAE				
Lonchaea flaveola Coq.	Alpine fir	1		
 PHORIDAE				
Phora sp.	Lodgepole pine	2		A
 SCIARIDAE				
Bradyia sp.	Lodgepole pine	3		A
sp. nr. varians				
Johannsen	Lodgepole pine	1		A
 SYRPHIDAE				
Metasyrphus sp.	White spruce	1	L	
	Lodgepole pine	1	L	
lapponicus Zett.	Douglas fir	3	L	P
	White spruce	1	L	
 HEMIPTERA				
 ALYDIDAE				
Alydus curinus (Say.)	Lodgepole pine	1		A
 ANTHOCORIDAE				
Tetraphleps uniformis Parsh.	Lodgepole pine	1		A
 ARADIDAE				
Aradus sp.	Lodgepole pine	1		A
cinnamoneus Panzer	Lodgepole pine	1		A
 CICADELLIDAE				
Cuerna striata Walk.	Lodgepole pine	1		A
 MIRIDAE				
Deraeocoris barberi Kngt.	Lodgepole pine	1		A
nigritulus Kngt.	Lodgepole pine	1		A
sp.	Lodgepole pine	1		N
Lygus sp.	Misc.	1		A

PENTATOMIDAE

<i>Chlorochroa uhleri</i> Say	Misc.	1	A
<i>ligata</i> Say	Lodgepole pine	2	A

HOMOPTERA

APHIDIDAE

<i>Acyrtosiphon pisum</i> (Harris)	Lodgepole pine	1	A
<i>Asiphum</i> sp.	Trembling aspen	3	
<i>rosettei</i> Maxson	Trembling aspen	1	N A
<i>Chaitophorus populiniae</i> Oest.	Trembling aspen	1	A
<i>Cinara</i> sp.	White spruce	3	A
	Lodgepole pine	5	N A
	Trembling aspen	1	N
	Lodgepole pine	7	N A
<i>medispinosa</i> (G. & P.)	Lodgepole pine	4	N A
<i>murrayanae</i> (Gillette &	Green ash	1	
Palmer)	Misc.	1	N
<i>Eriosoma americanum</i> Riley	Lodgepole pine	1	N
<i>Macrosiphum kiowanepum</i> Hottes	Alpine fir	1	N
sp.	White spruce	1	N
<i>Mindarus abietinus</i> Koch.	Trembling aspen	2	
	Balsam poplar	1	
<i>Mordwilkoja vagabunda</i> Walsh.	Balsam poplar	1	A
<i>Pemphigus</i> sp.	Balsam poplar	1	
<i>monophagus</i> Maxson	Balsam poplar	1	
<i>Periphyllus populincola</i> Thos.	Balsam poplar	1	N A
<i>Thecabius</i> sp.	Balsam poplar	1	A

ACHILIDAE

<i>Epiptera</i> sp.	Lodgepole pine	1	A
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ADELGIDAE

<i>Adelges</i> sp.	White spruce	2	A
<i>abietis</i> Linn.	Spruce	1	A
<i>cooleyi</i> Gill.	White spruce	6	N A
	Douglas fir	3	N A
<i>Pineus pinifoliae</i> Fitch	White spruce	1	
	Limber pine	1	

CERCOPIDAE

<i>Aphrophora signoreti</i> Fitch	Lodgepole pine	1	A
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CIXIIDAE

<i>Cixius nervosus</i> L.	Willow	1	A
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COCCIDAE

<i>Phenacaspis pinifoliae</i> Fitch	Douglas fir	1	
<i>Physokermes picea</i> (Schr.)	Lodgepole pine	1	A

HYMENOPTERA

ARGIDAE

<i>Arge</i> sp.	White spruce	1	L	
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BRACONIDAE

<i>Apanteles</i> sp.	Lodgepole pine	1	A	
<i>Aphidius</i> sp.	Lodgepole pine	1	A	
<i>Brachistes</i> sp.	Lodgepole pine	1	A	
<i>Brachistes</i> n. sp.	Lodgepole pine	1	A	
<i>Brachistes strigitergum</i> Cush.	Lodgepole pine	1	A	
<i>Bracon</i> sp.	Lodgepole pine	1	A	
<i>Calyptus</i> sp.	Lodgepole pine	1	A	
<i>Chelonus</i> sp.	Lodgepole pine	1	A	
<i>Microchelonus</i> sp.	Lodgepole pine	1	A	
<i>Triaspis</i> sp.	Lodgepole pine	1	A	

CHALCIDIDAE

<i>Brachymeria</i> sp.	Lodgepole pine	1	A	
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CIMBICIDAE

<i>Cimbex americana</i> Leach.	Willow	7	L	
	Alder	4	L	
	Balsam poplar	1	L	
	Trembling aspen	1	L	
<i>Trichiosoma</i> sp.	Willow	7	L	A
	Alder	2	L	
	Misc.	1	L	
	No host	2	L	A
<i>Zaraea</i> sp.	Willow	1	L	
	Misc.	1	L	

CYNIPIDAE

<i>Diplolepis</i> sp.	Misc.	1		
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DIPRIONIDAE

<i>Neodiprion</i> sp.	White spruce	16	L	P
	Lodgepole pine	7	L	P
	Alpine fir	3	L	
	Douglas fir	1	L	
<i>abietis</i> Harr.	White spruce	2	L	
	Douglas fir	2	L	

EULOPHIDAE

<i>Tetrastichus</i> sp.	Misc.	1	A	
	Lodgepole pine	1	A	

EURYTOMIDAE

<i>Eurytoma</i> sp.	Lodgepole pine	1	A	
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FORMICIDAE

<i>Camponotus herculeanus</i> (L.)	Lodgepole pine	1	A	
<i>Lasius crypticus</i> Wilson	Lodgepole pine	1	A	
<i>Leptothorax canadensis</i> Prov.				

ICHNEUMONIDAE

<i>Diplazon tetragonus</i> Thunb.	Lodgepole pine	1	A
<i>Dolichomotus terebrans nubilipennis</i> (Vier.)	Lodgepole pine	1	A
<i>Gelis</i> sp.	Lodgepole pine	1	A
<i>Glypta</i> sp.	Lodgepole pine	2	A
<i>Phygadeuon</i> sp.	Lodgepole pine	1	A
<i>Scambus</i> sp.	Lodgepole pine	1	A

PAMPHILIIDAE

<i>Acantholyda</i> sp.	White spruce	4	
	Lodgepole pine	2	L

PLATYGASTERIDAE

<i>Chrysocharis</i> sp.	Lodgepole pine	1	A
<i>Synopeas</i> sp.	Lodgepole pine	1	A

PTEROMALIDAE

<i>Cricellius</i> sp.	Lodgepole pine	1	A
<i>Rhopalicus pulchripennis</i> (Crawford)	Lodgepole pine	1	A

TENTHREDINIDAE

<i>Amauronematus</i> sp.	Willow	1	L
<i>Blennocampa</i> sp.	Misc.	1	L
<i>Euura</i> sp.	Trembling aspen	1	L
<i>Nematus</i> sp.	Trembling aspen	4	L
<i>Pikonema alaskensis</i> Roh. <i>dimmockii</i> Cress.	White spruce	12	L
<i>Pristiphora erichsonii</i> Htg.	White spruce	20	L
	Siberian larch	7	EL
	Larch	4	L
	European larch	2	L
	Tamarack	1	L
<i>Tenthredo</i> sp.	White spruce	1	L

XYELIDAE

<i>Pleroneura borealis</i> Felt	Alpine fir	1	
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LEPIDOPTERA

AEGERIIDAE

<i>Sanninoidea</i> sp.	White spruce	1	P
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AGARISIIDAE

<i>Alypia</i> sp.	Balsam poplar	1	L
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ARCTIIDAE

<i>Halisdota maculata</i> Harr.	Balsam poplar	1	L
<i>Nemeophila plataginis</i> Linn.	No host	1	L
<i>Parasemia parthenos</i> Harr.	Alder	2	L
	Willow	2	L
	Trembling aspen	1	L
	No host	2	L

DREPANIDAE				
<i>Drepana arcuata</i> Wlk.	Alder	2	L	
ETHMIIDAE				
<i>Pyramidalobela coloradella</i> Wlshm.	Lodgepole pine	1		A
GELECHIIDAE				
<i>Compsolechia</i> sp.	Trembling aspen	1	L	
<i>niveopulvella</i> Cham.	Trembling aspen	9	L	P
<i>Eucordylea canusella</i> Free	Lodgepole pine	1	L	
<i>florae</i> Free.	Lodgepole pine	4	A	
<i>Pulicalvaria</i> sp.	Lodgepole pine	1	L	
GEOMETRIDAE				
<i>Aethalura anticaria</i> Wlk.	Birch	1	L	
<i>Anagoga occiduaria</i> Wlk.	Alder	1	L	
<i>Biston cognataria</i> Gn.	Willow	1	L	
	Misc.	1	L	
	Willow	8	L	
	Alder	5	L	
	Balsam poplar	3	L	
	Dogwood	2	L	
	White birch	1	L	
	Trembling aspen	1	L	
	Lodgepole pine	1	L	
	Misc.	4	L	
<i>Brephos</i> sp.	Alder	1	L	
<i>infans</i> Moesch.	Alder	1	L	
<i>Campaea perlata</i> Gn.	Willow	1	L	
	Alder	7	L	
	Green alder	1	L	
	Mountain alder	1	L	
	Willow	6	L	
	Trembling aspen	1	L	
	Misc.	3	L	
<i>Caripeta angustiorata</i> Wlk.	Lodgepole pine	11	L	
<i>divisata</i> Wlk.	White spruce	1	L	
<i>Cosymbia pendulinaria</i> Gn.	Alder	1	L	
	Green alder	1	L	
	Balsam poplar	1	L	
<i>Deilinia</i> sp.	Willow	8	L	
	Dwarf birch	1	L	
	Willow	4	L	
	Trembling aspen	1	L	
	Willow	1	L	
<i>Deuteronomos magnarius</i> Gn.	Alder	1	L	
	Willow	1	L	
	No host	1	L	
<i>Dysstroma</i> sp.	Alder	2	L	
	Misc.	1	L	
	Alder	2	L	
	Willow	1	L	

<i>Enypia</i> sp.	Alder	1	L
<i>Epirrhantis substriataria</i> dambyi Hlst.	Willow		
<i>Epirhoe</i> sp.	Alder	1	L
<i>Epirrita autumnata</i> omissa Harr.	White spruce	3	L
	Douglas fir	2	L
	Alder	2	L
	Willow	1	L
	Alpine fir	1	L
<i>Eupithecia</i> sp.	Willow	5	L
	Alder	3	L
	Green alder	1	L
	Common juniper	2	L
	White spruce	2	L
	Misc.	6	L
<i>albicapitata</i> Pack.	White spruce	1	L
<i>anticaria</i> Wlk.	Lodgepole pine	1	L
<i>filmata</i> Pears.	White spruce	2	L
<i>kananaskata</i> Mack.	Willow	1	L
<i>luteata</i> Pack.	White spruce	1	L
<i>nimbicolor</i> Hlst.	Misc.	3	L
<i>niphadophilata</i> Dyar	Juniper	2	L
	Common juniper	1	L
<i>ornata</i> Hlst.	Lodgepole pine	1	L
<i>palpata</i> Pack.	Lodgepole pine	3	L
<i>perfusca</i> Hlst.	Alder	1	L
<i>perfusca alberta</i> Tayl.	Misc.	2	L
<i>perfusca kootenaiata</i>			
Dyar	Alder	1	L
<i>ravocostaliata</i> Pack.	Willow	4	L
<i>transcanadata</i> Mack.	White spruce	1	L
<i>sheppardata</i> McD.	Green alder	1	L
<i>Hydriomena</i> sp.	White spruce	1	L
	Alder	1	L
	Mountain alder	1	L
<i>renunciata</i> Wlk.	No host	1	L
<i>Hypagyrtis piniata</i> Pack.	White spruce	2	L
<i>Hyperetis amicaria</i> H.S.	Alder	5	L
<i>Iridopsis emasculata</i> Dyar	Balsam poplar	1	L
	Willow	1	L
<i>larvaria</i> Gn.	Willow	1	L
	Misc.	2	L
<i>Itame anataria</i> Swett.	Trembling aspen	4	L
	White spruce	1	L
	Misc.	2	L
<i>bitactata</i> Wlk.	Alder	7	L
<i>denticulodes</i> Hlst.	Misc.	1	L
<i>loricaria</i> Evers.	Trembling aspen	1	L
	Willow	1	L
<i>Leucobrepbos brephoides</i> Wlk.	Alder	1	L
	Misc.	1	L
<i>Lobophora</i> sp.	Balsam poplar	3	L
<i>nivigerata</i> Wlk.	Trembling aspen	12	L
	Willow	5	L

<i>Lycia rachelae</i> Hlst.	Alder	1	L
	Willow	1	L
<i>Lygris</i> sp.	Alder	1	L
<i>xylina</i> Hlst.	Alder	1	L
	Willow	1	L
<i>xylina speciosa</i> Hlst.	Alder	2	L
	Willow	1	L
<i>Mesoleuca</i> sp.	Willow	1	L
<i>Metanema</i> sp.	Trembling aspen	1	L
<i>determinata</i> Wlk.	Willow	2	L
<i>inatomaria</i> Gn.	Trembling aspen	5	L
	Balsam poplar	4	L
	Alder	1	L
	Willow	1	L
<i>Nyctobia limitaria</i> Wlk.	White spruce	1	L
<i>Operophtera bruceata</i> Hlst.	Trembling aspen	8	L
<i>Plagodis phlogosaria approximaria</i>	Alder	1	L
Dyar	Willow	1	L
<i>Selenia alciphearia</i> Wlk.	Alder	4	L
	Willow	3	L
<i>Semiothisa</i> sp.	Lodgepole pine	1	L
<i>granitata</i> Gn.	White spruce	5	L
	Lodgepole pine	3	L
<i>hebetata</i> Hlst.	Willow	9	L
<i>mellistrigata</i> Grt.	Willow	1	L
<i>perplexa</i> McD.	Lodgepole pine	6	L
<i>neptaria</i> Gn.	Willow	3	L
<i>neptaria sinuata</i> Pack.	Willow	1	L
<i>Sicya</i> sp.	Balsam poplar	1	P
<i>macularia</i> Harr.	Alder	9	P
<i>macularia agyllaria</i> Wlk.	Misc.	1	P
<i>Spodolepis</i> sp.	Willow	2	L
	Alder	1	L
	No host	1	L
<i>Thera otisi</i> Dyar	Common juniper	4	L
	Juniper	1	L
<i>Venusia pearsalli</i> Dyar	Alder	8	L
GLYPHIPTERYGIDAE			
<i>Allononyma vicarialis</i> Zell.	Willow	1	L
GRACILLARIIDAE			
<i>Gracillaria</i> sp.	Alder	1	L
<i>Phyllocnistis populiella</i> Cham.	Trembling aspen	13	L
	Balsam poplar	1	P
LASIOCAMPIDAE			
<i>Epicnaptera americana</i> Harr.	Trembling aspen	4	L
	Alder	3	L
	Balsam poplar	3	P
	Willow	4	L
	No host	1	L

LYMANTRIIDAE

<i>Orgyia antiqua</i> L.	Alder	1	L
	Siberian larch	1	L
	No host	1	L
<i>Parorgyia</i> sp.	White spruce	1	L
<i>plagiata</i> Wlk.	White spruce	1	L

LYCAENIDAE

<i>Incisalia eryphon</i> Bdv.	Lodgepole pine	2	L
<i>spinetorum</i> Hew.	Lodgepole pine	1	L

NOTODONTIDAE

<i>Cerura</i> sp.	Willow	4	L
	Balsam poplar	4	L
	Trembling aspen	4	L
<i>borealis</i> Bdv.	Lodgepole pine	1	L
	Trembling aspen	1	L
	Willow	1	L
<i>Gluphisia</i> sp.	Trembling aspen	8	L
	Balsam poplar	5	L
	Willow	1	L
<i>Ichthyura</i> sp.	Trembling aspen	1	L
<i>albosigma</i> Fitch	Balsam poplar	1	L
	Willow	1	L
<i>apicalis</i> Wlk.	Willow	1	L
<i>Notodontia similaria</i> Graef.	Trembling aspen	1	L
<i>Pheosia rimosa</i> Pack.	Willow	5	L
	Trembling aspen	4	L
	Balsam poplar	2	L

NYMPHALIDAE

<i>Euphydryas</i> sp.	Misc.	1	L
<i>Limenitis arthemis</i> Dru.	Trembling aspen	1	L
	Willow	1	L
<i>Nymphalis antiopa</i> L.	Willow	10	L
	Trembling aspen	1	L
	No host	1	L
<i>Polygonia</i> sp.	Misc.	2	L
<i>faunus</i> Edw.	Misc.	2	L

OLETHRUTIDAE

<i>Aphania</i> sp.	Dwarf birch	1	L
	Misc.	2	L
<i>bifida</i> McD.	Alder	2	L
<i>capreana</i> Hbn.	Willow	1	L
<i>Epinotia nisella criddleana</i> Kft.	Trembling aspen	1	L
<i>solandriana</i> Linn.	Alder	1	L
	Balsam poplar	1	L
<i>solicitana</i> Wlk.	White birch	1	L
<i>Grapolitha prob. caeruleana</i>	Lodgepole pine	3	
<i>Wlshm.</i>	White spruce	16	L
<i>Griselda</i> sp.			A

Laspeyresia sp.	<i>Engelmann spruce</i>	1	A
<i>youngana</i> Kft.	<i>Lodgepole pine</i>	2	A
Petrova albicapitana Busck.	<i>White spruce</i>	1	L
<i>sp.</i>	<i>Lodgepole pine</i>	1	L
Pseudexentera oregonana Wlshm.	<i>Lodgepole pine</i>	2	L
Taniva albolineana Wlshm.	<i>Trembling aspen</i>	2	P
Zeiraphera fortunana Kft.	<i>White spruce</i>	1	L
	<i>White spruce</i>	7	L
PAPILIONIDAE			
Papilio glaucus Linn.	<i>Willow</i>	1	L
<i>glaucus</i>	<i>Willow</i>	4	L
<i>canadensis</i> R. & J.	<i>Balsam poplar</i>	1	L
	<i>Misc.</i>	1	L
PERICOPIDAE			
Gnophaelia latipennis Bdv.	<i>Balsam poplar</i>	1	L
	<i>Misc.</i>	1	L
NOCTUIDAE			
Achytonix sp.	<i>Douglas fir</i>	2	L
Acronicta sp.	<i>Willow</i>	4	L
	<i>Alder</i>	2	L
	<i>Balsam poplar</i>	1	L
	<i>White birch</i>	1	L
	<i>Misc.</i>	1	L
<i>dactylina</i> Grt.	<i>Trembling aspen</i>	1	L
<i>distans</i> Grt.	<i>Willow</i>	2	L
<i>grisea</i> Wlk.	<i>Willow</i>	6	L
	<i>Alder</i>	4	L
<i>innotata</i> Gn.	<i>Balsam poplar</i>	1	L
Anagrapha sp.	<i>Misc.</i>	1	P
Andropolia aedon Grt.	<i>Alder</i>	1	L
<i>contacta</i> Wlk.	<i>Dwarf birch</i>	1	L
	<i>White birch</i>	1	L
	<i>Trembling aspen</i>	1	L
Anomogyna elimata Gn.	<i>Lodgepole pine</i>	1	L
Autographa sp.	<i>Alpine fir</i>	1	L
	<i>Misc.</i>	1	L
Bombycia algens Grt.	<i>White spruce</i>	1	L
Enargia decolor Wlk.	<i>Trembling aspen</i>	2	L
Eurois sp.	<i>Douglas fir</i>	1	L
<i>astricta</i> Morr.	<i>Trembling aspen</i>	1	E
Feralia sp.	<i>White spruce</i>	2	L
<i>jocosa</i> Gn.	<i>White spruce</i>	3	L
Homoglaea carbonaria Harv.	<i>Trembling aspen</i>	1	L
	<i>Willow</i>	1	L
	<i>Misc.</i>	2	L
Lithophane georgii Grt.	<i>Alder</i>	1	L
Minotype miniota Sm.	<i>Willow</i>	1	L
Orthosia hibisci Gn.	<i>White spruce</i>	1	L
Panthea acronyctoides Wlk.	<i>Lodgepole pine</i>	2	L
<i>furcilla</i> Pack.	<i>Limber pine</i>	1	L
	<i>Misc.</i>	2	L

Polia sp.	White spruce	1	L
	Alder	1	L
	Misc.	3	L
assimilis Morr.	Alder	2	L
	Balsam poplar	2	L
	Willow	1	L
	Misc.	5	L
cristifera Wlk.	Alder	4	L
	Willow	3	L
	Dwarf birch	1	L
	Dogwood	1	L
	Misc.	1	L
ingravis Sm.	Willow	1	L
pulverulenta Sm.	Green alder	1	L
radix Wlk.	Misc.	1	L
segregata Sm.	Willow	1	L
Pyrrhia exprimens Wlk.	Misc.	1	L
Scoliopteryx libatrix Linn.	Willow	1	L
	Poplar	1	L
Synedoida hudsonica G. & R.	Misc.	5	L
Syngrapha sp.	Alpine fir	1	L
alias Ottol.	Engelmann spruce	1	L
	White spruce	1	L
epigaea Grt.	Alder	1	L
selecta Wlk.	White spruce	1	L
Xylena cineritia Grt.	Alder	1	L
	Willow	1	L
	Misc.	1	L
thoracica put.- Cram.	Misc.	1	L
Xylotype sp.	Alder	2	L
acadia B. & B.	Alder	2	L
Zenobia sp.	Trembling aspen	4	L

PIERIDAE

Colias alexandra emilia Ediw.	No host	1		A
Pieris sp.	Misc.	1	L	
rapae Linn.	Misc.	1	L	

PLUTELLIDAE

Trachoma senex Wlshm.	Willow	1	L
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PTEROPHORIDAE

Platyptilia sp.	Misc.	2	L	P
punctidactyla Haw.	White spruce	1	L	
	Willow	1	L	
	Misc.	6	L	P

PYRALIDAE

Dioryctria abietivorella Grote	Lodgepole pine	3	L	A
Dioryctria zimmermani Grt.	Lodgepole pine	1		A

SPHINGIDAE

Celerio gallii intermedia Kby.	Misc.	8	L
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<i>Hemaris thysbe</i> Fabr.	Misc.	1	L
	No host	1	L
<i>Proserpinus</i> sp.	No host	1	L
<i>Smerinthus jamaicensis</i> Dru.	Trembling aspen	2	L
	Balsam poplar	2	L
	Willow	1	L

TORTRICIDAE

<i>Acleris</i> sp.	Misc.	1	L
<i>calignosana</i> Wlk.	Alder	1	L
<i>emargana</i> Fabr.	Willow	1	L
<i>variana</i> Fern.	White spruce	28	L P
	Engelmann spruce	2	L
	Alpine fir	2	L
<i>Argyrotaenia tabulana</i> Free.	Lodgepole pine	3	L
<i>Archippus packardianus</i> Fern.	Alpine fir	1	P
<i>Choristoneura conflictana</i> Wlk.	White spruce	3	L
	Trembling aspen	1	P
<i>fumiferana</i> Clem.	White spruce	1	P
	Douglas fir	1	L
<i>Pandemis canadana</i> Kft.	Willow	1	L
<i>Sparganothis unifasciana</i> Clem.	Misc.	1	L
<i>Tortrix wellingtoniana</i> Kft.	Misc.	1	L

YPONOMEUTIDAE

<i>Argyresthia pygmaeella</i> Hbn.	Willow	1	L
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NEUROPTERA

<i>Hemerobius conjunctus</i>	Common juniper	1	A
<i>conjunctus</i> Fitch			
<i>torsatus</i> Bks.	Juniper	1	A
	Engelmann	1	A
<i>Kimminsia</i> sp.	Engelmann spruce	1	A
<i>Micromus angulatus</i> Steph.	White spruce	1	A
<i>Wesmaelius longifrons</i> Wlk.	Douglas fir	1	A

MISCELLANEOUS

<i>Oligonychus ununguis</i> Jac.	White spruce	4
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