

FOREST INSECT AND DISEASE CONDITIONS IN MANITOBA
PROVINCIAL PARKS, 1973

by

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TABLE OF CONTENTS

| | <u>Page</u> |
|----------------------------|-------------|
| <i>PROVINCIAL PARKS</i> | |
| Asessippi Park | 1 |
| Birds Hill Park | 2,3 |
| Clearwater Park | 4 |
| Duck Mountain Park | 5 |
| Grand Beach Park | 6,7,8 |
| Grass River Park | 9 |
| Hecla Park | 10,11 |
| Paint Lake Park | ** |
| Spruce Woods Park | 12 |
| Turtle Mountain Park | 13 |
| Whiteshell Park | 14,15,16,17 |

** Not inspected in 1973

PROVINCIAL PARKS

MISSISSIPPI PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|--|-------------|--|
| <u>Insect</u> | | |
| Poplar bud-gall mite, <u>Aceria parapopuli</u> (Keifer) | T. aspen | High incidence in beach area. |
| Gall mites, <u>Eriophyidae</u> | T. aspen | Common throughout the Park. |
| Forest tent caterpillar, <u>Malacosoma disstria</u> Hbn. | T. aspen | Low populations. |
| Gall aphids, <u>Pemphigus</u> spp. | T. aspen | Low populations. |
| Poplar serpentine miner, <u>Phyllocnistis populiella</u> Cham. | T. aspen | Light damage. |
| A leaf roller, <u>Pseudexentera oregonana</u> Wlshm. | T. aspen | Low populations. |
| Poplar borer, <u>Saperda calcarata</u> Say | T. aspen | Light to moderate damage to mature trees in beach area |
| <u>Disease</u> | | |
| A witches' broom, <u>Apiosporina collinsii</u> (Schw.) Hoehn | Saskatoon | Common throughout the Park. |
| Black knot of cherry, <u>Dibotryon morbosum</u> (Schw.) T.&S. | Chokecherry | Common in the Park. |
| White trunk rot, <u>Fomes igniarius</u> (L. ex Fr.) Kickx | T. aspen | Fairly high incidence on mature trees. |
| Hypoxyton canker of aspen, <u>Hypoxyton mammatum</u> (Wahl.) Miller | T. aspen | Fairly high incidence on mature trees. |
| Aspen shoot blight, <u>Venturia macularis</u> (Fr.) E. Muell & V. Arx. | T. aspen | Low incidence on regeneration. |

BIRDS HILL PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|---|-------------|--|
| <u>Insect</u> | | |
| Ugly nest caterpillar, <u>Archips cerasivoranus</u> (Fitch) | Chokecherry | Scattered nests fairly common. |
| Oak webworm, <u>Archips fervidanus</u> (Clem.) | B. oak | Scattered nests sighted. |
| Pear slug, <u>Caliroa cerasi</u> (L.) | Cotoneaster | Moderate to severe leaf skeletonizing of ornamentals in beach parking area. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Some patches of moderate to severe defoliation in the northeast portion of the Park. Scattered light defoliation common throughout the Park. |
| Aspen blotch miner, <u>Lithocolletis salicifoliella</u> Cham. | T. aspen | Scattered light leaf mining. |
| Forest tent caterpillar, <u>Malacosoma disstria</u> Hbn. | T. aspen | Scattered light defoliation. Light defoliation is predicted for 1974, based upon a sequential system of egg sampling done in the campground and riding stable areas. |
| Prairie tent caterpillar, <u>Malacosoma californicum</u> <u>lutescens</u> (N. & D.) | Chokecherry | Scattered tents fairly common. |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Traces of defoliation. |
| Boxelder twig borer, <u>Proteoteras willingana</u> Kft. | M. maple | Light twig damage common. |
| A poplar borer, <u>Saperda</u> sp. | T. aspen | Evidence of boring fairly common on scattered trees in the Park, particularly in campgrounds. |

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| Willow cone gall, <u>Rhabdophaga strobiloides</u> O.S. | Willow | Some willow clumps lightly infested. |
| Aspen webworm, <u>Tetralopha aplastella</u> Hlst. | T. aspen | Light leaf infestations. |
| <u>Disease</u> | | |
| Spruce mistletoe, <u>Arceuthobium pusillum</u> Pk. | B. spruce Tamarack | Moderate to severe brooming in black spruce stands in the northwestern part of the Park and on some trees near the west entrance. A few tamarack affected on the west side of the Park. |
| A needle rust on spruce, <u>Chrysomyxa</u> Sp. | B. spruce | Light infections. |
| Blacknot of cherry, <u>Dibotryon morbosum</u> (Schw.) T. & S. | Chokecherry | Patches of light to severe infections. |
| Globose gall rust, <u>Endocronartium harknessii</u> (J. P. Moore) Y. Hiratsuka | J. pine S. pine | Light gall infections in pine plantations. |
| White trunk rot, <u>Fomes igniarius</u> (L. ex Fr.) Kickx | T. aspen | Infected trees noted in most mature stands examined. |
| Hypoxyton canker of aspen, <u>Hypoxyton mammatum</u> (Wahl.) Miller | T. aspen | Cankered trees frequently sighted through the Park, including the campground. |
| Balsam poplar leaf blight, <u>Linospora tetraspora</u> Thompson | B. poplar | Patches of light to severe leaf blight of young trees. |

CLEARWATER PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|--|-------------|---|
| <u>Insect</u> | | |
| Pineapple gall aphid, <u>Adelges lariciatus</u> (Patch) | W. spruce | Light and moderate damage common. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Scattered pockets of light moderate and severe defoliation. |
| A leaf miner, <u>Lyonetia</u> sp. | Willow | Light damage. |
| Pitch nodule maker, <u>Petrova albicapitana</u> (Busck) | J. pine | Light damage to young pine. |
| Yellow-headed spruce sawfly, <u>Pikonema alaskensis</u> (Roh.) | W. spruce | Light damage to native |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Light to moderate defoliation. |
| A leaf roller, <u>Pseudexentera oregonana</u> Wlsh. m. | T. aspen | Low populations. |
| <u>Disease</u> | | |
| Jackpine mistletoe, <u>Arceuthobium americanum</u> Nutt. ex Engelm. | J. pine | Common in the area. |
| Spruce needle rust, <u>Chrysomyxa ledicola</u> Lagh. | W. spruce | Light infections common. |
| Aspen shoot blight, <u>Venturia macularis</u> (Fr.) E. Muell & V. Arx. | T. aspen | Light damage to regeneration. |

DUCK MOUNTAIN PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|---|------------------------|---|
| <u>Insect</u> | | |
| Spruce gall aphids, <u>Adelges</u> spp. | W. spruce | Low populations. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Light damage near Wellman Lake. Moderate damage near Dragline Lake. |
| American aspen beetle, <u>Gonioctena americana</u> (Schaeff.) | T. aspen | High populations east of Boggy Creek and near Childs Lake. Low populations in north half of Park. |
| Pitch nodule maker, <u>Petrova albicapitana</u> (Busck) | J. pine | Light damage. |
| Yellow-headed spruce sawfly, <u>Pikonema alaskensis</u> (Roh.) | Spruce | Low populations on plantings. |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Low populations in Baldy Mountain area. |
| <u>Disease</u> | | |
| Yellow witches' broom, <u>Chrysomyxa arctostaphyli</u> Diet. | B. spruce | Brooming common in Baldy Mountain area. |
| Spruce needle rust, <u>Chrysomyxa ledicola</u> Lagh. | B. spruce W. spruce | Light infections common. |
| Globose gall rust, <u>Endocronartium harknessii</u> (J.P. Moore) Y. Hiratsuka | Pine spp. | Light damage common on plantings at Wellman Lake. |
| Aspen shoot blight, <u>Venturia macularis</u> (Fr.) E. Muell & V. Arx. | T. aspen | Common on regeneration aspen and plantings near Wellman Lake. Severe damage on regeneration near Dragline Lake. |

GRAND BEACH PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|--|-------------|---|
| <u>Insect</u> | | |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Light defoliation common. |
| Jackpine budworm, <u>Choristoneura pinus pinus</u> Free. | J. pine | Scattered light defoliation. |
| A lace bug, <u>Corythucha arcuata</u> (Say) | B. oak | Light leaf infestations. |
| Ash flower gall, <u>Eriophyes fraxinflora</u> (Felt) | G. ash | Moderately infested trees in campground and cottage areas. |
| A sawfly twig gall, <u>Euura</u> sp. | Willow | Some moderately to severely infested willow clumps. |
| Aspen blotch miner, <u>Lithocolletis salicifoliella</u> Cham. | T. aspen | Scattered light leaf mining. |
| Forest tent caterpillar, <u>Malacosoma disstria</u> Hbn. | T. aspen | Moderate to severe defoliation in the East Park Gate area. Light Defoliation common through the Park. |
| Balsam fir sawfly, <u>Neodiprion abietis</u> Harr. | B. fir | Scattered light defoliation. |
| Pine needle scale, <u>Phenacaspis pinifoliae</u> (Fitch) | J. pine | Some moderate to severe needle infestations on young fringe trees near the campground. |
| Poplar serpentine miner, <u>Phyllocnistis populiella</u> Cham. | T. aspen | Scattered light leaf mining. |

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| White pine weevil, <u>Pissodes strobi</u> (Peck) | J. pine | A few infested sapling tops noted in the campground area. |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Traces of defoliation. |
| Willow cone gall, <u>Rhabdophaga strobiloides</u> O.S. | Willow | Occasional willow clumps moderately infested. |
| Aspen webworm, <u>Tetralopa aplastella</u> Hlst. | T. aspen | Scattered light leaf infestations. |
| Pine tortoise scale, <u>Toumeyella numismaticum</u> P. & M. | J. pine | Light sapling infestations near the campground. |
| <u>Disease</u> | | |
| A witches' broom, <u>Apiosporina collinsii</u> (Schw.) Hoen. | Saskatoon | Some moderate to severe brooming of understory trees. |
| Jackpine mistletoe, <u>Arceuthobium americanum</u> Nutt. ex Engelm. | J. pine | Patches of moderate to severe brooming through the Park. Some trees affected in the campground area. |
| Spruce mistletoe, <u>Arceuthobium pusillum</u> Pk. | B. spruce | Patches of moderate to severe brooming through the Park. |
| Needle rust, <u>Chrysomyxa</u> sp. | B. spruce | Light needle rust fairly common. |
| Blacknot of cherry, <u>Dibotryon morbosum</u> (Schw.) T. & S. | Chokecherry | Scattered patches of light to severe infections. |
| Globose gall of poplars, <u>Diplodia tumefaciens</u> (Shear) Zalasky | B. poplar | Some trees lightly to severely infected in the campground. |
| Globose rust gall, <u>Endocronartium harknessii</u> (J.P. Moore) Y. Hiratsuka | J. pine | Light infections common. |

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| White trunk rot, <u>Fomes igniarius</u> (L. ex Fr.) Kickx. | T. aspen | Conks frequently observed on mature trees through the Park, including the campground. |
| Rust, <u>Gymnosporangium</u> sp. | Saskatoon | Scattered light to severe fruit infections. |
| Hypoxyton canker of poplar, <u>Hypoxyton mammatum</u> (Wahl.) Miller | T. aspen | Cankered trees observed at scattered points through the Park, including the campground. |
| Rust broom, <u>Melampsorella carvophyl-</u> <u>lacearum</u> Schroet. | B. fir | A few brooms in the campground and widely scattered throughout the Park. |

GRASS RIVER PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|--|-------------|---|
| <u>Insect</u> | | |
| Birch sawfly, <u>Arge pectoralis</u> Leach. | W. birch | Common on open-growing trees. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Scattered light, moderate and severe damage. |
| A leaf miner, <u>Lyonetia</u> sp. | Willow | Severe leaf discolouration throughout the Park. |
| Pitch nodule maker, <u>Petrova albicapitana</u> (Busck) | J. pine | Low populations. |
| Poplar serpentine miner, <u>Phyllocnistis populiella</u> Cham. | T. aspen | Low populations. |
| White pine weevil, <u>Pissodes strobi</u> (Peck) | Co. spruce | Moderate terminal damage on plantings. |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Light and moderate damage in Reed Lake area. |
| <u>Disease</u> | | |
| Jackpine mistletoe, <u>Arceuthobium americanum</u> Nutt. ex Engelm. | J. pine | Common in Simonhouse Lake area. |
| Yellow witches' broom, <u>Chrysomyxa arctostaphyli</u> Diet. | B. spruce | Common in Simonhouse Lake area. |
| Spruce needle rust, <u>Chrysomyxa ledicola</u> Lagh. | W. spruce | Light infections common. Especially notable near Reed Lake. |
| Fir needle rust, <u>Pucciniastrum epilobii</u> Otth. | B. fir | Light infections common. |
| Aspen shoot blight, <u>Venturia macularis</u> (Fr.) E. Muell & V. Arx. | T. aspen | Common on regeneration. |

HECLA PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|---|------------------------|---|
| <u>Insect</u> | | |
| European alder leaf miner, <u>Fenusa dohrnii</u> (Tischb.) | Alder | Patches of light to severe leaf mining along roadways. |
| Fall webworm, <u>Hyphantria cunea</u> (Drury) | Deciduous Trees | Widely scattered individual trees lightly to moderately infested. |
| Forest tent caterpillar, <u>Malacosoma disstria</u> Hbn. | T. aspen | Moderate to severe defoliation along the east side of Hecla Island; on Punk, Deer and Black Islands; and on Grindstone Point. |
| Balsam fir sawfly, <u>Neodiprion abietis</u> complex | B. fir | Some scattered small patches of moderate to severe defoliation. Scattered light damage common. |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Very light defoliation. |
| Willow cone gall, <u>Rhabdophaga strobiloides</u> O.S. | Willow | Occasional lightly infested clumps. |
| A poplar borer, <u>Saperda</u> sp. | T. aspen | Boring damage evident at scattered points through the Park including the golf course and campground areas. |
| Aspen webworm, <u>Tetralopha aplastella</u> Hlst. | T. aspen | Light leaf infestations. |
| <u>Disease</u> | | |
| Spruce mistletoe, <u>Arceuthobium pusillum</u> Pk. | B. spruce W. spruce | Patches of moderate to severe brooming fairly widespread in the Park, particularly in black spruce stands. |

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| A witches' broom, <u>Chrysomyxa arctostaphyli</u> Diet. | B. spruce | Isolated widely distributed individual brooms. |
| A needle rust, <u>Chrysomyxa ledicola</u> Lagh. | B. spruce | Patches of moderate to severe infections, particularly on regeneration. |
| Blacknot of cherry, <u>Dibotryon morbosum</u> (Schw.) T. & S. | Chokecherry | Some small patches of light to severe infection. |
| White trunk rot, <u>Fomes igniarius</u> (L. ex Fr.) Kickx. | T. aspen | Infected trees noted in most mature stands examined. |
| Hypoxyton canker, <u>Hypoxyton mammatum</u> (Wahl.) Miller | T. aspen | Cankered trees observed in the golf course and campground areas. |
| Balsam poplar leaf blight, <u>Linospora tetraspora</u> Thompson | B. poplar | Patches of light to severe leaf infection of young fringe trees. |
| A witches' broom, <u>Melampsorella caryophyllacearum</u> Schroet. | B. fir | Isolated individual brooms at widely scattered points. |

SPRUCE WOODS PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|---|-------------|---|
| <u>Insect</u> | | |
| Solitary oak leaf miner, <u>Cameraria hamadryadella</u> (Clemens) | B. oak | Patches of moderate to severe leaf mining. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Scattered pockets of moderate to severe damage. |
| Spruce budworm, <u>Choristoneura fumiferana</u> (Clem.) | W. spruce | Medium to high populations. |
| Forest tent caterpillar, <u>Malacosoma disstria</u> Hbn. | T. aspen | Low populations in camp- ground area. Medium populations in north end of Park. |
| A leaf roller, <u>Pseudexentera oregonana</u> Wlsh. m. | T. aspen | Medium populations in north end of Park. |
| A leaf roller, <u>Sciaphila duplex</u> Wlsh. m. | T. aspen | Commonly associated with the large aspen tortrix, <u>C. conflictana</u> . |

TURTLE MOUNTAIN PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|---|------------------------|---|
| <u>Insect</u> | | |
| Black-headed budworm, <u>Acleris variana</u> (Fern.) | W. spruce C. spruce | Light damage to plantings. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Pockets of moderate to severe defoliation. |
| Spruce budworm, <u>Choristoneura fumiferana</u> (Clem) | W. spruce C. spruce | Light damage. |
| A leaf tier, <u>Compsolechia niveopulvella</u> Cham. | T. aspen | Low populations. |
| Spruce coneworm, <u>Dioryctria reniculella</u> (Grt.) | W. spruce | Light damage to plantings. |
| Woolly elm aphid, <u>Eriosoma americanum</u> (Riley) | Elm | Light foliage damage. |
| American aspen beetle, <u>Gonioctena americana</u> (Schaeff.) | T. aspen | Some pockets of moderate to severe defoliation. |
| Bruce spanworm, <u>Operophtera bruceata</u> (Hulst) | T. aspen | Low populations. |
| Yellow-headed spruce sawfly, <u>Pikonema alaskensis</u> (Roh.) | W. spruce C. spruce | Light damage to plantings. |
| A leaf roller, <u>Pseudexentera oregonana</u> Wlshm. | T. aspen | Low populations. |
| A leaf roller, <u>Sciaphila duplex</u> Wlshm. | T. aspen | Low populations. |
| <u>Disease</u> | | |
| White trunk rot, <u>Fomes igniarius</u> (L. ex Fr.) Kickx | T. aspen | Fairly common in the Park. |
| Hypoxyton canker of aspen, <u>Hypoxyton mammatum</u> (Wahl.) Miller | T. aspen | Some infections noted on mature trees. |

WHITESHELL PROVINCIAL PARK

| <u>ORGANISM</u> | <u>HOST</u> | <u>REMARKS</u> |
|---|------------------------|---|
| <u>Insect</u> | | |
| Black-headed budworm, <u>Acleris variana</u> (Fern.) | W. spruce | Low populations. |
| Birch tube-maker, <u>Acrobasis betulella</u> Hlst. | W. birch | Light infestations. |
| Cooley spruce gall aphid, <u>Adelges cooleyi</u> Gill. | W. spruce | Some young trees lightly to moderately infested. |
| Ugly nest caterpillar, <u>Archips cerasivoranus</u> (Fitch) | Chokecherry | Scattered nests common. |
| Large aspen tortrix, <u>Choristoneura conflictana</u> (Wlk.) | T. aspen | Scattered patches of light to severe defoliation. |
| Jackpine budworm, <u>Choristoneura pinus pinus</u> Free. | J. pine | Low populations. |
| European spruce sawfly, <u>Diprion hercyniae</u> (Htg.) | W. spruce B. spruce | Low populations. |
| Ash flower gall, <u>Eriophyes fraxinflora</u> (Felt) | G. ash | Light to moderate flower infestations in a few areas. |
| A looper, <u>Eupithecia luteata</u> Pack. | B. spruce | Low populations. |
| Green striped caterpillar, <u>Feralia jocosu</u> (Guen.) | W. spruce | Low populations. |
| American aspen beetle, <u>Gonioctena americana</u> (Schaef.) | T. aspen | Light defoliation. |
| Fall webworm, <u>Hyphantria cunea</u> (Drury) | Deciduous Trees | Widely scattered lightly infested trees. |
| Aspen blotch miner, <u>Lithocolletis salicifoliella</u> Cham. | T. aspen | Light to severe infestation of young trees in some areas. |

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| Prairie tent caterpillar, <u>Malacosoma californicum</u> <u>lutescens</u> (N. & D.) | Chokecherry | Widely scattered tents observed. |
| Western tent caterpillar, <u>Malacosoma californicum</u> <u>pluviale</u> (Dyar) | W. birch | Low populations. |
| Forest tent caterpillar, <u>Malacosoma disstria</u> Hbn. | T. aspen | Extensive moderate to severe defoliation in the northern part of the Park, particularly along the Winnipeg River system. |
| Balsam fir sawfly, <u>Neodiprion abietis</u> complex | B. fir | Scattered light defoliation. |
| Spiny elm caterpillar, <u>Nymphalis antiopa</u> (L.) | Willow T. aspen | Low populations. |
| Pitch nodule maker, <u>Petrova albicapitana</u> (Busck) | J. pine | Light infestations. |
| Pine needle scale, <u>Phenacaspis pinifoliae</u> (Fitch) | Spruce | Light to moderate infestation of some trees. |
| Yellow-headed spruce sawfly, <u>Pikonema alaskensis</u> (Roh.) | W. spruce B. spruce | Scattered light to severe defoliation of individual young trees, particularly ornamentals and roadside regeneration. |
| Green-headed spruce sawfly, <u>Pikonema dimmockii</u> (Cress.) | W. spruce B. spruce | Low populations. |
| White pine weevil, <u>Pissodes strobi</u> (Peck) | J. pine | Infested sapling tops in many areas, particularly in plantations and regeneration stands. |
| Larch sawfly, <u>Pristiphora erichsonii</u> (Htg.) | Tamarack | Low populations. |
| Willow cone gall, <u>Rhabdophaga strobiloides</u> O.S. | Willow | Some clumps lightly to moderately infested. |
| Poplar borer, <u>Saperda</u> sp. | T. aspen | Some boring damage evident in most areas, particularly in campgrounds. |

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| Aspen webworm, <u>Tetralopha aplastella</u> Hlst. | T. aspen | Light infestations. |
| <u>Disease</u> | | |
| A witches' broom, <u>Apiosporina collinsii</u> (Schw.) Hoen. | Saskatoon | Light to severe brooming of understory trees in some areas. |
| Spruce mistletoe, <u>Arceuthobium pusillum</u> Pk. | B. spruce | Small patches of brooming northeast of Falcon Lake. |
| Yellow Witches' broom, <u>Chrysomyxa arctostaphyli</u> Diet. | B. spruce | Isolated single brooms. |
| Needle rust, <u>Chrysomyxa</u> sp. | B. spruce | Patches of light to severe needle infection, partic- ularly on regeneration. |
| Pine needle rust, <u>Coleosporium asterum</u> (Diet.) Syd. | J. pine | Light needle infections. |
| White pine blister rust, <u>Cronartium ribicola</u> J.C. Fischer | W. pine | Some branch flagging in Falcon lake area. |
| Blacknot of cherry, <u>Dibotryon morbosum</u> (Schw.) T.&S. | Chokecherry | Small patches of light to severe infections. |
| Globose gall rust, <u>Endocronartium harknessii</u> (J.P. Moore) Y. Hiratsuka | J. pine | Scattered light infections common. Some individual trees moderately to severely infected. |
| White trunk rot, <u>Fomes igniarius</u> (L. ex Fr.) Kickx | T. aspen | Conks noted in many areas, particularly in campgrounds. |
| Artist's conk, <u>Ganoderma applanatum</u> (Pers. ex Wallr.) Pat. | T. aspen | Conks found on windfallen tree at Opapuskaw campground. |
| Rust, <u>Gymnosporangium</u> sp. | Saskatoon | Light to severe fruit infections at some points. |
| Hypoxyton canker of aspen, <u>Hypoxyton mammatum</u> (Wahl.) Miller | T. aspen | Low incidence of cankered trees common, particularly in campgrounds. |

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|---|-----------|---|
| Balsam poplar leaf blight, <u>Linospora tetraspora</u> Thompson | B. poplar | Light leaf infections. |
| Needle cast, <u>Lophodermium laricinum</u> Duby | Tamarack | Light infections. |
| Yellow witches' broom, <u>Melampsorella caryophyllacearum</u> Schroet. | B. fir | Low incidence of brooms. |
| Stain, <u>Peniophora pseudo-pini</u> Weres. & Gibs. | W. pine | Associated with cankered saplings near Falcon Lake. |
| Aspen shoot blight, <u>Venturia macularis</u> (Fr.) E. Muell. & V. Arx. | T. aspen | Scattered patches of light to severe infection of regeneration trees. |
| Wind Damage | | Blowdown fairly extensive. |

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