

ca. 1977

Ken McLeod & Eileen South

B. boreas was the most abundant herptile throughout this reserve.

The Northern alligator lizard (Gerrhonatus coeruleus) was abundant only on the rock outcrops adjacent to the road. Several species of birds were observed around these rock outcrops. Many were observed nesting in the Larix growing here including Bubo virginianus, Aegolius acadicus, Colaptes cafer, and Sitta canadensis.

Mammal species found on this reserve did not differ markedly from those on the Lily Pad Lake reserve. A colony of Rocky Mountain pikas (Ochotona princeps) was observed in the rock outcrops adjacent to the road.

SPECIES LIST

Amphibians

Ambystoma macrodactylum krausii (Peters)
Northern long-toed salamander
common

Bufo boreas boreas (Baird and Girard)
Western toad
abundant

Hyla regilla (Baird and Girard)
Pacific tree frog
common

Reptiles

Gerrhonotus coeruleus principis (Baird and Girard)
Northern alligator lizard
common on rock outcrops, rare throughout the rest of the reserve

Charina bottae utahensis
Rocky Mountain rubber boa
rare

Thamnophis sirtalis fitchi
Valley garter snake
uncommon

Birds

✓ Accipiter striatus Sharp-shinned hawk
common

Circus cyaneus Marsh hawk
common

Buteo jamaicensis Red-tailed hawk
uncommon

Canachites canadensis Spruce grouse
uncommon

Bubo virginianus Great horned owl
common

Aegolius acadicus Saw-whet owl
common

✓ Glaucidium gnoma Pygmy owl
uncommon

Stellula calliope Calliope hummingbird
uncommon

✓ Selasphorus rufus Rufous hummingbird
uncommon

Colaptes cafer Red-shafted flicker
abundant

✓ Sphyrapicus varius Yellow-bellied sapsucker
common

✓ Dendrocopos villosus Hairy woodpecker
common

D. pubescens Downy woodpecker
uncommon

Picoides tridactylus Northern tree-toed woodpecker
common

✓ Empidonax hammondi Hammond's flycatcher
uncommon

✓ E. difficilis Western flycatcher
uncommon

Nuttallornis borealis Olive-sided flycatcher
uncommon

Perisoreus canadensis Gray jay
abundant

Nucifraga columbiana Clark's nutcracker
uncommon

✓ Corvus corax Common raven
common

✓ Parus atricapillus Black-capped chickadee
uncommon

P. gambeli Mountain chickadee
common

P. hudsonicus boreal chickadee
common

Sitta canadensis Red-breasted nuthatch
abundant

Certhia familiaris Brown creeper
common

✓ Turdus migratorius Robin
common

Hylocichla ustulata Swainson's thrush
common

Regulus satrapa Golden-crowned kinglet
uncommon

R. calendula Ruby-crowned Kinglet
uncommon

✓ Bombycilla garrula Bohemian waxwing
uncommon

✓ Lanius excubitor Northern shrike
uncommon

✓ Oporornis tolmiei MacGillivray's warbler
common

✓ Hesperiphona vespertina Evening grosbeak
uncommon

✓ Pinicola enucleator Pine grosbeak
common

Spinus pinus Pine siskin
abundant to common

Loxia curvirostra Red crossbill
rare

Junco oreganus Oregon junco
abundant

Passerella iliaca Fox sparrow
common

✓ Melospiza lincolni Lincoln's sparrow
common to uncommon

Mammals

Sorex vagrans obscurus (Merriam)
Wandering shrew
common

Myotis lucifugus alascensis (Miller)
Little brown myotis
uncommon

✓ Ochotona princeps cuppes (Bangs)
Rocky mountain pika
abundant

✓ Lepus americanus columbiensis (Rhoads)
Snowshoe or Varying hare
common

✓ Eutamias amoenus luteiventris (Allen)
Northwestern chipmunk
abundant

✓ *Tamiasciurus hudsonicus streator* (Allen)
Red squirrel
abundant

Glaucomys sabrinus columbiensis (Howell)
Northern flying squirrel
rare

Thomomys talpoides incensus (Goldman)
Northern pocket gopher
common

Peromyscus maniculatus artemisiae (Rhoads)
White-footed or Deer mouse
common

Clethrionomys gapperi saturatus (Rhoads)
Boreal red-back vole
uncommon

✓ *Phenacomys intermedius intermedius* (Merriam)
Mountain heather vole
uncommon to common

Microtus pennsylvanicus drummondi (Audubon and Bachman)
Meadow vole
common

✓ *Erethizon dorsatum nigrescens* (Allen)
Porcupine
common

✓ *Canis latrans lestes* (Merriam)
Coyote
uncommon

Ursus americanus cinnamomum (Audubon and Bachman)
American black bear
uncommon

Martes americana abietinoides (Gray)
Marten
uncommon

✓ *Mustela frinata nevadensis* (Hall)
Long-tailed weasel
common to uncommon

Lynx rufus pallescens (Merriam)
Bobcat or Bay lynx
uncommon

L. canadensis canadensis (Ker)
Canada lynx
common

Odocoileus hemionus hemionus (Rafin esque)
Mule deer
uncommon to rare

O. virginianus ochrourus (Bailey)
White-tail deer
uncommon

Bos taurus
Cow
abundant

DISCUSSION

Nature of Vegetation:

The main factors influencing the nature and distribution of the plant associations are fire and moisture regime. Fire has been the most common factor in disturbing the vegetation and some types in this area owe their existence to this disturbance. The rain shadow effect of the Coast and Cascade Mountains and the dry nature of the winter and summer air masses tend to limit moisture in this region. Without sustained climatic measurements it is very difficult to determine how much of an influence the Monashee Mountains have on the overall moisture regime of the study area. However, if the area of the reserves is comparable to McCulloch and Carmi, only a small water deficit would occur in the late summer months (figs. 2 & 3, pg. 10 & 12).

The plant associations for the most part can be arranged along a moisture gradient from moist to dry habitats (Table 5).

The Veronica Marsh-edge community type is found in areas having permanent standing water and muck-type soils. The presence of tussocks in this type may warrant further dividing the type into separate communities based on position on the tussocks. This would