Summary of Diseases Affecting Michigan Wildlife
2013

Abscess
Abdominal
Common Loon

Articular
Bald Eagle

Caseogranulomatous
Chronic
White-tailed Deer

Conjunctival
White-tailed Deer

Cranial
White-tailed Deer

Gastric
White-tailed Deer

Hepatic
White-tailed Deer

Mesenteric
White-tailed Deer

Muscular
Organized
White-tailed Deer

Unspecified
White-tailed Deer, Canada Goose

Neurological (Spinal)
White-tailed Deer

Ocular (Hypopyon)
White-tailed Deer

Oral
White-tailed Deer
(Abscess continued)

Pulmonary
  White-tailed Deer, American Robin

Respiratory
  White-tailed Deer

Subcutaneous
  White-tailed Deer, Canada Goose

Adhesions
  Hepatic
    White-tailed Deer

Airsacculitis
  Fibrino-Necrotizing
    Chronic
      Peregrine Falcon

  Fibrinous
    Chronic
      Peregrine Falcon, American Crow, American Robin

  Mycotic
    Trumpeter Swan, Ring-billed Gull, Common Raven

  Necrotic
    Caseous
      Chronic
        Common Loon

    Unspecified
      Chronic
        Bald Eagle, American Crow, American Robin

Anomaly
  Congenital
    Pelage
      White-tailed Deer

    Skeletal
      White-tailed Deer
**Anthracosis**  
Moderate  
House Sparrow

**Ascites**  
Displaced ovarian follicle  
American Robin  
Hemorrhagic  
White-tailed Deer

**Aspergillosis**  
Pulmonary  
Disseminated  
Golden Eagle

**Botulism**  
Type E  
Common Loon, Horned Grebe, Red-necked Grebe  
Type E (Possible)  
Bald Eagle, Common Tern, Ring-billed Gull

**Bronchiolitis**  
Lymphoplasmacytic  
Multifocal  
Eosinophilic and Histiocytic  
Raccoon

**Bronchopneumonia**  
Bacterial  
Mild  
Common Tern  
Caseogranulomatous  
Multifocal  
Mild  
Common Loon
(Bronchopneumonia continued)

Unspecified
  Red Fox

Bulbi (shrinking and wasting of the eye ball)
  Phthisis
    Bobcat

Bursitis
  Chronic
    Bald Eagle

Capsulitis
  Hepatic
    Peregrine Falcon

Congestion
  Cranial
    White-tailed Deer

    Hepatic
      White-tailed Deer, Canada Goose

    Nephritic
      White-tailed Deer, Canada Goose, Pileated Woodpecker

    Pulmonary
      White-tailed Deer, Black Bear, Gray Fox, Raccoon, Opossum, Snowshoe Hare, Eastern Fox Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Peregrine Falcon, Osprey, Red-tailed Hawk, Cooper's Hawk, Great Horned Owl, Screech Owl, Mute Swan, Common Loon, Canada Goose, Mallard, Ring-billed Gull, Common Tern, Great Blue Heron, Common Raven, American Crow, Pileated Woodpecker, Common Grackle, American Robin, House Sparrow, Black-capped Chickadee

    Splenic
      White-tailed Deer, Canada Goose
**Cysticercosis**

Hepatic
- White-tailed Deer

Pulmonary
- *Echinococcus granulosus*
  - Moose, White-tailed Deer

**Dehydration**
- White-tailed Deer, Red Fox, Peregrine Falcon, Osprey, Red-tailed Hawk, Great Horned Owl, Barred Owl, Trumpeter Swan, Common Loon, Canada Goose, Common Raven, American Crow, Red-bellied Woodpecker, American Robin

**Dermatitis**

**Allergic (Flea)**
- Superficial
  - Mild
    - Eastern Fox Squirrel

**Bacterial**
- *Dermatophilus congolensis*
  - White-tailed Deer

- *Staphylococcus* sp.
  - Hyperkeratotic
    - Wild Turkey

  - Secondary
    - Wild Turkey

**Ulcerative**
- River Otter

**Hyperkeratotic**
- Red Squirrel

**Perivascular**
- Superficial
  - Mild
    - White-tailed Deer
**Difficulties**
- Birthing
  - White-tailed Deer
- Hatching
  - Common Loon

**Disorder**
- Metabolic
  - White-tailed Deer

**Distemper**
- Canine
  - Black Bear, Gray Fox, Raccoon

**Drowning**
- Bald Eagle
- Possible Drowning
  - Common Loon, Mute Swan, Mallard, Common Grackle, House Sparrow

**Edema**
- Muscular
  - White-tailed Deer
- Pulmonary
  - White-tailed Deer, Black Bear, Raccoon, Striped Skunk, Snowshoe Hare, Eastern Fox Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Peregrine Falcon, Osprey, Red-tailed Hawk, Cooper's Hawk, Great Horned Owl, Mute Swan, Common Loon, Canada Goose, Mallard, Ring-billed Gull, Common Tern, Great Blue Heron, Common Raven, American Crow, Common Grackle, American Robin, House Sparrow, Black-capped Chickadee
- Subcutaneous
  - Hemorrhagic
    - White-tailed Deer
  - Serosanguineous
    - White-tailed Deer
(Edema continued)
   Unspecified
      White-tailed Deer

Egg
   Infertile
      Peregrine Falcon, Common Loon

Electrocution
   Power line
      Bald Eagle

      Transformer
         Golden Eagle

Encephalitis
   Non-Suppurative
      Red Fox

   Non-Suppurative (Possible Viral)
      White-tailed Deer

   Suppurative
      Acute
         White-tailed Deer

Enteritis
   Bacterial
      Hemorrhagic
         Clostridium perfringens
            White-tailed Deer

      Unspecified
         American Robin

   Necrotic
      American Robin

   Ulcerative
      Hemorrhagic
         Verminous
            Mute Swan
Enterotoxemia
White-tailed Deer

Eosinophilia
Parasitic
White-tailed Deer

Epizootic Hemorrhagic Disease
White-tailed Deer

Exposure
Gray Wolf, Red Fox, Red Squirrel, Big Brown Bat

Fascioloidiasis
Moose, White-tailed Deer

Fibromatosis
White-tailed Deer

Folliculitis
Bacterial
Staphylococcus sp.
Wild Turkey

Gastritis
Hemorrhagic
White-tailed Deer

Gout
Visceral
Great Horned Owl
Granuloma
  Bacterial
    Cardiac
      Wild Turkey
  Splenic
    Wild Turkey

Hemorrhages
  Agonal
    White-tailed Deer
  Pulmonary
    Pileated Woodpecker

Hemosiderosis
  Hepatic
    Wild Turkey
  Splenic
    Wild Turkey

Hemothorax
  White-tailed Deer

Hepatitis
  Bacterial
    Multifocal
      American Robin
  Unspecified
    American Robin
  Granulomatous
    Multifocal
      Verminous (Fluke)
        Bald Eagle
      Unspecified
        Wild Turkey
(Hepatitis continued)
Necrotizing
Red Fox

Periportal
Minimal
Gray Wolf

Unspecified (Trematode)
Mute Swan

Hernia
Abdominal
Common Loon

Hyperplasia
Bile Duct
White-tailed Deer

Hypertrophy
Splenic
American Robin

Imbalance
Electrolyte
White-tailed Deer

Infection
Bacterial
Staphylococcus sp.
Bald Eagle

Staphylococcus sp. (Bumblefoot)
Wild Turkey

Unspecified
White-tailed Deer
**Infiltrates**
- Lymphocytic
  - Cardiac
    - Wild Turkey
- Hepatic
  - Wild Turkey
- Nephritic
  - Wild Turkey
- Pulmonary
  - Wild Turkey

**Intoxication**
- Fruit
  - Cedar Waxwing

**Laminitis**
- White-tailed Deer

**Lipidosis**
- Black Bear

**Malnutrition**
- Elk, White-tailed Deer, Gray Wolf, Red Fox, Gray Fox, Bobcat, Bald Eagle, Peregrine Falcon, Osprey, Red-tailed Hawk, Great Horned Owl, Barred Owl, Saw-whet Owl, Trumpeter Swan, Mute Swan, Tundra Swan, Common Loon, Canada Goose, Herring Gull, Ring-billed Gull, Great Blue Heron, Green Heron, Wild Turkey, Common Raven, American Crow, American Robin, House Sparrow

**Mange**
- Notoedric
  - Red Squirrel
- Sarcoptic
  - Gray Wolf, Coyote, Red Fox
Meningitis
   Eosinophilic (Parasite Migration)
      Elk
   Fibrino-suppurative
      White-tailed Deer
   Non-Suppurative (Bacterial)
      Moderate
         Raccoon
   Suppurative
      Acute
         White-tailed Deer
   Unspecified
      White-tailed Deer

Meningoencephalitis
   Lymphoplasmacytic
      Mild
         White-tailed Deer
   Non-Suppurative
      Severe
         White-tailed Deer
   Viral (Possible)
      White-tailed Deer

Metritis
   Suppurative
      Chronic
         White-tailed Deer

Mineralization
   Fat
      White-tailed Deer
   Vascular
      White-tailed Deer
Mycoplasmosis
House Finch

Myiasis
Nasopharyngeal
White-tailed Deer

Unspecified
White-tailed Deer, Coyote

Necrosis
Fat
Retrobulbar
Severe
White-tailed Deer

Nematodiasis
Cerebrospinal
Paralaphostrongylus tenuis
Elk (Possible), White-tailed Deer

Pulmonary
Dictyocaulus sp.
White-tailed Deer

Unspecified
White-tailed Deer

Neovascularization
Corneal
Mild
White-tailed Deer

Nephritis
Interstitial
Granulomatous (with Intra-lesional Trematode larvae)
Common Loon

Multifocal (Probable Viral)
Bald Eagle
**Pericarditis**
Fibrinous
   Chronic
   White-tailed Deer, Peregrine Falcon, Common Loon

Unspecified
   White-tailed Deer, Trumpeter Swan

Fibrono-Necrotizing
   Chronic
   Peregrine Falcon

Unspecified
   Moose

**Peritonitis**
Caseonecrotic
   Chronic
   Common Loon, House Sparrow

Fibrinous
   Chronic
   Gray Wolf, White-tailed Deer, Mute Swan, Common Loon

Necrotic
   Chronic
   American Crow

**Perivasculitis**
Eosinophilic (Parasite Migration)
   Elk

Serosal (Trematode)
   Mute Swan

**Pigmentation**
Fat
   White-tailed Deer
Pleuritis
   Fibrinous
      Chronic
         White-tailed Deer
   Unspecified
      White-tailed Deer

Hemorrhagic and Fibrinous
   White-tailed Deer

Unspecified
   White-tailed Deer

Pneumonia
   Aspiration
      Snowshoe Hare, Osprey
   Bacterial
      Mild
         White-tailed Deer
   Chronic
      Bald Eagle

Inhalation
   White-tailed Deer

Interstitial
   Bacterial
      Moderate
         House Sparrow
   Lymphocytic and Eosinophilic
      Raccoon
   Lympho-plasmacytic
      Moderate
         River Otter
   Mild
      Raccoon
   Moderate
      Red Squirrel
(Pneumonia continued)
(Interstitial continued)
Mononuclear
Red Fox

Peribronchial
Raccoon

Unspecified
Striped Skunk

Necrotic
Chronic
Peregrine Falcon

Suppurative
Chronic
White-tailed Deer

Unspecified
Red Fox, White-tailed Deer

Viral
White-tailed Deer

Poisoning
Anticoagulant
Brodifacoum and Difenacoum
Eastern Gray Squirrel

Lead
Acute
Bald Eagle

Chronic
Bald Eagle

Mercury
Bald Eagle
Pox
   Avian
       Bald Eagle, Wild Turkey, Black-capped Chickadee, House Finch

Rabies
   Big Brown Bat

Rupture
   Lens
       Bobcat

Salmonellosis
   Mourning Dove, Common Redpoll, House Sparrow, Purple Martin

Sarcocystosis
   White-tailed Deer, Mallard, American Widgeon

Septicemia
   Bacterial
       Erysipelothrix sp.
           Wild Turkey

   Unspecified
       White-tailed Deer, Peregrine Falcon, Wild Turkey, Purple Martin

   Unspecified
       White-tailed Deer

Splenitis
   Granulomatous
       Multifocal
           Wild Turkey

   Necrotizing
       Red Fox

Starvation
   White-tailed Deer
**Steatitis** (Inflammation of Adipose Tissue)
   White-tailed Deer

**Stillbirth**
   White-tailed Deer

**Stomatitis**
   Fibrino-Necrotizing
   Severe
   Peregrine Falcon

**Stress**
   Due to Handling
   White-tailed Deer, Bald Eagle

   Unspecified
   Big Brown Bat, Little Brown Bat, Bald Eagle, Peregrine Falcon
   (Possible), Cooper's Hawk, Common Loon, Mallard, Great Blue Heron,
   Common Raven, Common Grackle, American Robin, Black-capped
   Chickadee, House Sparrow

**Suffocation** (Possible)
   Peregrine Falcon

**Synchecia**
   Anterior
   Bobcat

**Toxoplasmosis**
   Disseminated
   Red Fox
Trauma
Moose, Elk, White-tailed Deer, Black Bear, Gray Wolf, Red Fox, Gray Fox, Bobcat, Raccoon, Opossum, American Marten, Eastern Fox Squirrel, Big Brown Bat, Little Brown Bat, Golden Eagle, Bald Eagle, Osprey, Red-tailed Hawk, Cooper's Hawk, Sharp-shinned Hawk, Merlin, Great Horned Owl, Barred Owl, Screech Owl, Mute Swan, Trumpeter Swan, Trumpeter X Whooping Swan, Common Loon, Canada Goose, Mallard, Ring-billed Gull, Sandhill Crane, Snowy Egret, Green Heron, Wild Turkey, Ruffed Grouse, Common Raven, American Crow, Pileated Woodpecker, Red-bellied Woodpecker, American Robin, European Starling, Red-winged Blackbird, Cedar Waxwing, House Sparrow, Common Redpoll, Eastern Kingbird, American Goldfinch, House Finch, Eastern Towhee, Pine Siskin

Trichinosis
White-tailed Deer

Trichomoniasis (Frounce)
Peregrine Falcon

Tuberculosis
Bovine
White-tailed Deer

Tumor
Fibroma
White-tailed Deer
Lipoma
Splenic
Multiple
White-tailed Deer

Ulceration
Corneal
White-tailed Deer

Weak Fawn Syndrome
White-tailed Deer
West Nile Virus
Bald Eagle, Great Horned Owl, Red-tailed Hawk, Cooper's Hawk, American Kestrel, Ring-billed Gull, Great Blue Heron, Wild Turkey, Common Raven, American Crow, Blue Jay, Common Grackle, American Robin, Cedar Waxwing, House Finch