Summary of Diseases Affecting Michigan Wildlife
2011

Abscess
   Airsac
      Trumpeter Swan

   Articular
      White-tailed Deer

Cerebral
   White-tailed Deer

Hepatic
   Common Loon

Lymphatic
   White-tailed Deer

Meningeal
   White-tailed Deer

Mesenteric
   White-tailed Deer

Muscular
   White-tailed Deer, Bald Eagle

Nephritic
   Common Loon

Oral
   White-tailed Deer

Peritoneal
   Eastern Fox Squirrel, Canada Goose, Common Loon

Pulmonary
   White-tailed Deer, Trumpeter Swan

Skeletal
   White-tailed Deer
Abscess continued
Subcutaneous
   White-tailed Deer, Bald Eagle

Suborbital
   White-tailed Deer

Adhesions
Hepatic
   White-tailed Deer

Airsacculitis
Mycotic
   Great Horned Owl, Common Loon

Necrotic
   Chronic
      Bald Eagle, Common Loon

Arrhythmia
Cardiac
   Woodchuck

Ascites
   Canada Goose, Herring Gull

Aspergillosis
Pulmonary
   Disseminated
      Bald Eagle

   Unspecified
      Bald Eagle, Red-tailed Hawk, Great Horned Owl, Trumpeter Swan, Common Loon, Ring-billed Gull, Wild Turkey

Atrophy
Epidermal (Possibly Endocrine or Metabolic in origin)
   Mild
      White-tailed Deer
Botulism
  Type C
   Canada Goose, Mallard

  Type E
   Bald Eagle, White Pelican, Common Loon

  Unspecified (Probable)
   Ring-billed Gull

Bronchopneumonia
  Mild
   Gray Fox

  Suppurative
   Chronic
    White-tailed Deer

Capsulitis
  Hepatic
   Fibrosing
    Chronic
     Cottontail Rabbit

  Splenic
   Caseogranulomatous (Bacterial)
     Multifocal
      White-tailed Deer

Caseogranulomas
  Disseminated (Pulmonary, Hepatic, Nephritic, Cardiac)
   Multifocal
     Wild Turkey

Cecitis
  Necrotic
   Hemorrhagic
     White-tailed Deer

  Unspecified
   Tundra Swan
Congestion
   Cranial
      White-tailed Deer

Hepatic
   White-tailed Deer, Eastern Fox Squirrel

Pulmonary
   White-tailed Deer, Black Bear, Coyote, Gray Fox, Striped Skunk, Raccoon, Woodchuck, Cottontail Rabbit, Eastern Fox Squirrel, Big Brown Bat, Bald Eagle, Osprey, Sharp-shinned Hawk, Great Horned Owl, Mute Swan, Canada Goose, Common Loon, Mallard, Herring Gull, Mourning Dove, Yellow-bellied Sapsucker, American Robin, Northern Cardinal, House Sparrow, American Goldfinch, Unidentified Bird Species

Renal
   White-tailed Deer

Splenic
   White-tailed Deer, Cottontail Rabbit, Great Horned Owl

Consolidation
   Pulmonary
      Unidentified Bird Species

Cysticercosis
   Disseminated (Pulmonary, Cardiac, Hepatic, Nephritic, and Splenic)
      Unspecified
         Eastern Gray Squirrel

Hepatic
   *Taenia hydatigena*
      White-tailed Deer

Pulmonary
   *Echinococcus granulosus*
      Moose, Elk, White-tailed Deer
**Deformity**
- Congenital
  - Bill (cross-bill)
    - Bald Eagle

- Plumage
  - Trumpeter Swan

- Skeletal (angel wings)
  - Trumpeter Swan

**Degeneration**
- Cataractous
- Unilateral
  - White-tailed Deer

**Dehydration**
- White-tailed Deer, Black Bear, Gray Fox, Striped Skunk, Eastern Fox Squirrel, Bald Eagle, Peregrine Falcon, Red-tailed Hawk, Great Horned Owl, Screech Owl, Mute Swan, Wild Turkey, Mourning Dove

**Dermatitis**
- Bacterial
  - Staphylococcus
    - Wild Turkey

- Pustular
  - Bat, Little Brown

- Fungal
  - Pseudohyphal
    - Little Brown Bat

- Superficial (Presumptive)
  - Little Brown Bat

- Yeast
  - Little Brown Bat
Detachment
  Retinal
    Unilateral
      White-tailed Deer

Difficulties
  Birthing (Parturition)
    White-tailed Deer

  Hatching
    Common Loon (Egg/Chick)

Distemper
  Canine
    Gray Fox, Raccoon

Drowning
  White-tailed Deer, Bald Eagle, Mute Swan, Common Loon, Mallard

Edema
  Pulmonary
    White-tailed Deer, Black Bear, Coyote, Gray Fox, Striped Skunk, Raccoon, Eastern Fox Squirrel, Big Brown Bat, Bald Eagle, Osprey, Snowy Owl, Great Horned Owl, Mute Swan, Canada Goose, Common Loon, Mallard, Herring Gull, Mourning Dove, Yellow-bellied Sapsucker, American Robin, House Sparrow, American Goldfinch

  Subcutaneous
    White-tailed Deer

Egg
  Infertile
    Peregrine Falcon

Electrocution
  Lightning
    Bald Eagle
Electrocution continued
  Power line
  Bald Eagle, Red-tailed Hawk

Emphysema
  Pulmonary
  White-tailed Deer

Encephalitis
  Bacterial
  White-tailed Deer

  Suppurative
  Woodchuck

Endocarditis
  Vegetative (Bacterial)
  White-tailed Deer

Enteritis
  Hemorrhagic (Probable Bacterial)
  White-tailed Deer

  Ulcerative
  Verminous
  Hemorrhagic
  Trumpeter Swan, Mute Swan

Epicarditis
  Fibrinous
  Chronic
  White-tailed Deer

Epizootic Hemorrhagic Disease
  White-tailed Deer

Esophagitis
  Necrotic (Possible)
  House Finch
Exposure
  Abandonment
    White-tailed Deer

  Stress
    Unidentified Bird Species

Exposure continued
  Unspecified
    Black Bear, Gray Wolf, Coyote, American Robin

Fascioloidiasis
  Moose, Elk, White-tailed Deer

Fibrosis
  Myocardial
    Focal
      Woodchuck

  Subpleural
    Multifocal
      White-tailed Deer

Glossitis
  Necrotic
    Chronic
      White-tailed Deer

Gout
  Visceral
    Wild Turkey

Hair Loss
  White-tailed Deer

Hemorrhage
  Agonal
    Pulmonary
      White-tailed Deer
Hemorrhage continued
  Cardiac
    Multifocal
      White-tailed Deer

  Pulmonary
    White-tailed Deer

  Splenic
    White-tailed Deer

Hemothorax
  Woodchuck

Hepatitis
  Bacterial
    Multifocal
      Chronic
        White-tailed Deer

    Unspecified
      House Sparrow

  Eosinophilic and Lymphocytic
    Multifocal
      Raccoon

    Necrotizing (Bacterial)
      Multifocal
        White-tailed Deer

Hernia
  Abdominal
    White-tailed Deer

Hydropericardium
  Canada Goose
**Hyperplasia**
- Lymphofollicular
- Reactive
- Moderate
  - White-tailed Deer

**Imbalance**
- Electrolyte (Due to chronic diarrhea)
  - White-tailed Deer

**Infection**
- Bacterial
  - Chronic
    - White-tailed Deer
  - Staphylococcus (Bumblefoot)
    - Red-tailed Hawk
  - Systemic
    - Wild Turkey
  - Unspecified
    - White-tailed Deer

**Infestation**
- Louse (Chewing)
  - White-tailed Deer
  - Louse (Sucking)
    - White-tailed Deer
  - Tick (*Dermacentor variabilis*)
    - Gray Wolf

**Inflammation**
- Subcutaneous
  - Chronic
    - American Woodcock
Insufficiency
Cardiac
Moose

Lymphadenitis
Caseogranulomatous
Multifocal
White-tailed Deer

Malacia
Multifocal
Elk

Malnutrition
Moose, Elk, White-tailed Deer, Black Bear, Gray Wolf, Red Fox, Gray Fox, Bald Eagle, Peregrine Falcon, Red-tailed Hawk, Snowy Owl, Great Horned Owl, Saw-whet Owl, Trumpeter Swan, Tundra Swan, Mute Swan, Common Loon, Herring Gull, Ring-billed Gull, Wild Turkey, Mourning Dove

Mange
Sarcoptic
Black Bear, Gray Wolf, Coyote, Red Fox

Meningitis
Suppurative
White-tailed Deer

Meningoencephalitis
Eosinophilic (Parasitic)
Elk
Lymphocytic
Focal
Mild
Raccoon

Metritis
Suppurative
White-tailed Deer
Mineralization
  Nephritic
    Striped Skunk
  Pulmonary
    Striped Skunk

Myiasis
  Black Bear, Gray Wolf, Bald Eagle, Great Horned Owl

Myocarditis
  Viral (Possible)
  Subacute
    Moderate
      Great Horned Owl

Nematodiasis
  Cerebrospinal (Probable)
    Baylisascaris Procyonis
      Eastern Fox Squirrel

    Parelaphostrongylus tenius
      Elk

  Hepatic
    Setaria yehi
      White-tailed Deer

  Muscular
    Dracunculus sp.
      Mink

  Ocular
    Parelaphostrongylus tenius
      White-tailed Deer

  Pulmonary
    Bronchial
      Dictyocaulus sp.
        White-tailed Deer

  Vascular
    Woodchuck
Nematodiasis continued
Respiratory
Unidentified
   White-tailed Deer

Subcutaneous
Dracunculus sp.
   American Marten

Nephritis
Interstitial
   Mild
      Great Horned Owl

Nodes
Hemal
   White-tailed Deer

Pericarditis
Fibrinous
   Chronic
      White-tailed Deer

Unspecified
   White-tailed Deer

Peritonitis
Fibrinous
   Chronic
      Peregrine Falcon

Necrotic
   Chronic
      Common Loon

Egg Yolk (Possible)
   Peregrine Falcon

Unspecified
   White-tailed Deer, Canada Goose
**Pleuritis**
- Bilateral
- Extensive
- Severe
  - White-tailed Deer

Caseogranulomatous
- Multifocal
  - White-tailed Deer

Fibrinous
- Chronic
  - Mild
  - White-tailed Deer

Non-Bacterial
- White-tailed Deer

Unspecified
- White-tailed Deer, Raccoon

Fibrosing
- Chronic
  - Severe
  - White-tailed Deer

Suppurative
- Chronic
  - White-tailed Deer

Unspecified
- White-tailed Deer

**Pleuritis/Pneumonia (Old Lesions)**
- White-tailed Deer

**Pleuropneumonia**
- Caseogranulomatous
  - Multifocal
  - White-tailed Deer
**Pneumonia**
- Aspiration
  - Suppurative
    - White-tailed Deer

- Chronic
  - White-tailed Deer

- Terminal Bacterial
  - Black Bear

- Unspecified
  - White-tailed Deer

**Bacterial**
- Multifocal
  - Chronic
    - White-tailed Deer

- Unspecified
  - Chronic
    - White-tailed Deer

- Consolidated
  - Mild
    - White-tailed Deer

- Lipid
  - Endogenous
    - Eastern Gray Squirrel

- Granulomatous
  - Multifocal
    - Woodchuck

- Hemorrhagic and Suppurative
  - Chronic
    - White-tailed Deer

- Interstitial
  - Mild
    - White-tailed Deer

  - Moderate
    - Raccoon
**Pneumonia continued**

- **Mycotic**
  - Common Loon

- **Necrotic**
  - Chronic
  - Bald Eagle

- **Suppurative**
  - Chronic
  - White-tailed Deer

- **Unspecified**
  - White-tailed Deer

- **Viral or Mycoplasmal**
  - White-tailed Deer

- **Unspecified**
  - White-tailed Deer

**Poisoning**

- **Carbofuran**
  - Coyote, Gray Fox

- **Iron (Possible)**
  - Mallard, Mute Swan

- **Lead**
  - Acute
  - Bald Eagle

  - Chronic
  - Bald Eagle, Tundra Swan, Canada Goose, Common Loon

- **Unspecified**
  - Bald Eagle, Trumpeter Swan

- **Rodenticide (Possible)**
  - Striped Skunk

- **Unspecified (Possible-no toxic compounds were identified on analysis)**
  - White-tailed Deer
Pox
  Avian
    Cutaneous
      Wild Turkey
    Cutaneous and Diptheritic
      Wild Turkey
    Diptheritic
      Wild Turkey

Rupture
  Spontaneous (Of a Blood Vessel)
    Mallard
  Unilateral Lens
    White-tailed Deer

Septicemia
  Bacterial
    Salmonella sp. (possible)
      House Sparrow
  Unspecified
    Woodchuck
  Unspecified (Possible)
    White-tailed Deer

Sinusitis
  Suppurative
    White-tailed Deer

Starvation
  Mute Swan
**Stress**
- Due to Handling
  - White-tailed Deer, Osprey

**Snare (Possible)**
- Gray Wolf

**Unspecified**
- White-tailed Deer, Bald Eagle, Great Horned Owl

**Synechiation** (Adhesion of the Ciliary body and the Iris to the Lens surface)
- Unilateral
  - White-tailed Deer

**Toxcity**
- Corn (Possible)
  - White-tailed Deer

**Trauma**
- Moose, Elk, White-tailed Deer, Black Bear, Gray Wolf, Coyote, Red Fox, Gray Fox, Domestic Dog (Beagle), Bobcat, River Otter, Badger, Striped Skunk, Raccoon, Porcupine, American Marten, Eastern Gray Squirrel, Big Brown Bat, Bald Eagle, Peregrine Falcon, Red-tailed Hawk, Broad-winged Hawk, Sharp-shinned Hawk, Cooper's Hawk, American Kestrel, Turkey Vulture, Snowy Owl, Great Horned Owl, Barred Owl, Screech Owl, Saw-whet Owl, Trumpeter Swan, Tundra Swan, Mute Swan, Canada Goose, Common Loon, Mallard, Great Blue Heron, Wild Turkey, Domestic Turkey, Ruffed Grouse, Ring-necked Pheasant, American Woodcock, Mourning Dove, Pileated Woodpecker, Northern Flicker, Yellow-bellied Sapsucker, Black-billed Cuckoo, Common Grackle, Blue Jay, Northern Cardinal, Cedar Waxwing

**Trichomoniasis** (Probable)
- Mourning Dove

**Tuberculosis**
- Bovine
  - White-tailed Deer
Tumor
   Fibroma
      White-tailed Deer
   Lipoma
      White-tailed Deer

Weak Fawn Syndrome
   White-tailed Deer

West Nile Virus
   American Crow