Summary of Diseases Affecting Michigan Wildlife
2012

Abscess
Airsac
  Common Loon, Red-tailed Hawk

Articular
  White-tailed Deer

Cardiac
  White-tailed Deer

Cranial
  White-tailed Deer

Eosinophilic
  Granuloma
    White-tailed Deer

Glossal (Tongue)
  White-tailed Deer

Hepatic
  Common Loon

Mesenteric
  White-tailed Deer

Muscular
  Organized
    White-tailed Deer

Sublingual
  White-tailed Deer

Unspecified
  White-tailed Deer
Abscess continued…
  Pleural
    Multifocal
      White-tailed Deer
  Unspecified
    White-tailed Deer
  Pulmonary
    White-tailed Deer
  Splenic
    White-tailed Deer
  Subcutaneous
    Mucopurulent
      Bacterial
        White-tailed Deer
    Oral
      White-tailed Deer
  Unspecified
    White-tailed Deer

Adhesions
  Hepatic
    White-tailed Deer
  Iris
    Unilateral
      White-tailed Deer

Airsacculitis
  Bacterial
    American Coot
  Chronic
    Double-crested Cormorant
  Mycotic
    Ring-billed Gull
Airsacculitis continued…
Necrotic
  Caseous
    Red-tailed Hawk

Chronic
  Canada Goose

Unspecified
  Common Loon

Unspecified
  Red-tailed Hawk

Anomaly
Congenital
  White-tailed Deer

Anophthalmia
Congenital
  White-tailed Deer

Ascites
  White-tailed Deer, American Coot

Aspergillosis
  Pulmonary
    White-tailed Deer, Bald Eagle

  Unspecified
    Trumpeter Swan, Double-crested Cormorant, Mallard, Ring-billed Gull, Swainson’s Thrush

Botulism
  Type C
    Mallard, Herring Gull

  Type E
    Bald Eagle, Common Loon, Horned Grebe, Red-necked Grebe (probable), Double-crested Cormorant
**Bronchitis**
  Eosinophilic
  Raccoon

**Bronchopneumonia**
  Bacterial
  Wolf, Gray

**Cecitis**
  Hemorrhagic
  White-tailed Deer

**Cellulitis**
  Severe
  Necrotizing
  White-tailed Deer

**Cestodiasis**
  *Moniezia expansa*
  White-tailed Deer

**Cholestasis**
  Moderate
  Canada Goose

**Congestion**
  Hepatic
  White-tailed Deer, Eastern Fox Squirrel, Herring Gull

  Nephritic
  White-tailed Deer
Congestion continued…

Pulmonary
White-tailed Deer, Gray Fox, Raccoon, Opossum, Porcupine, Woodchuck, Eastern Fox Squirrel, Eastern Gray Squirrel, Southern Flying Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Osprey, Snowy Owl, Tundra Swan, Canada Goose, Common Loon, Mallard, Double-crested Cormorant, American Coot, Herring Gull, Red-tailed Hawk, Broad-winged Hawk, Cooper’s Hawk, Common Nighthawk, Mourning Dove, American Crow, Common Grackle, European Starling House Sparrow, House Finch, American Goldfinch, Eastern Bluebird

Splenic
White-tailed Deer

Conjunctivitis
Chronic
American Goldfinch

Cyst
Biliary
Multilobular
White-tailed Deer

Resorbing
Tapeworm
White-tailed Deer

Cysticercosis
Hepatic
Taenia hydatigena
White-tailed Deer

Taenia taeniaeformis
White-tailed Deer, Muskrat

Muscular
Taenia krabbei (probable)
White-tailed Deer
Cysticercosis continued…
   Pulmonary
   *Echinococcus granulosus*
   White-tailed Deer

   *Taenia hydatigena*
   White-tailed Deer

Dehydration
   White-tailed Deer, Red-tailed Hawk, Snowy Owl, Trumpeter Swan, European Starling

Dermatitis
   Bacterial
   Crusting
   Striped Skunk

   Alopecic
   White-tailed Deer

Dermoid
   Corneal
   White-tailed Deer

Distemper
   Canine
   Coyote, Red Fox, Gray Fox, Raccoon, Striped Skunk

Drowning
   Gray Wolf, Bald Eagle, Snowy Owl, Peregrine Falcon (possible), Common Loon (possible)

Edema
   Pulmonary
   White-tailed Deer, Raccoon, Opossum, Porcupine, Woodchuck, Eastern Fox Squirrel, Eastern Gray Squirrel, Southern Flying Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Snowy Owl, Canada Goose, Common Loon, Mallard, Double-crested Cormorant, American Coot, Herring Gull, Red-tailed Hawk, Cooper’s Hawk, American Crow, Common Grackle, House Sparrow, House Finch, American Goldfinch
Edema continued…
Subcutaneous
  Hemorrhagic
    White-tailed Deer

Serosanguineous
  White-tailed Deer

Unspecified
  White-tailed Deer

Egg
Fertile (possible, embryo died in early incubation)
  Loon, Common

Infertile
  Peregrine Falcon

Electrocution
Bald Eagle, Red-tailed Hawk, Great-horned Owl

Encephalitis
  Non-Suppurative
    Mild
      White-tailed Deer

Enteritis
  Bacterial (Coccobacilli) and Verminous (Trematode – Leyogonimus polyoon)
    Fibronecrotizing
      Transmural
        Extensive
          Severe
            American Coot

  Hemorrhagic
    White-tailed Deer, Gray Fox

  Necrotizing (possible)
    Gray Fox

  Pseudomembranous
    Bald Eagle
Enteritis continued...
  Ulcerative
  Hemorrhagic
  Verminous
  Trumpeter Swan

Enterotoxemia
  White-tailed Deer

Epicarditis
  Fibrinous
  Chronic
  White-tailed Deer

  Lympho-plasmacytic
  Great-horned Owl

Epidermatitis
  Proliferative
  Broad-winged Hawk

Epizootic Hemorrhagic Disease
  White-tailed Deer

Exposure
  Gray Wolf

Fascioloidiasis
  Moose, White-tailed Deer

Filariasis
  Circulatory
  Porcupine

Gastritis
  Hemorrhagic
  White-tailed Deer, Gray Fox
Gingivitis
  White-tailed Deer

Gliosis
  Mild
  Porcupine

Goiter
  Colloidal
  White-tailed Deer

Gout
  Renal
    Mild
    White-tailed Deer
  Visceral
    Trumpeter Swan, American Crow

Hemopericardium
  Eastern Fox Squirrel, Eastern Gray Squirrel

Hemorrhage
  Cranial
    Multifocal
      White-tailed Deer
  Hepatic
    Eastern Fox Squirrel
  Intramuscular
    White-tailed Deer

Hemothorax
  White-tailed Deer, Eastern Fox Squirrel
Hepatitis
  Bacterial
  White-tailed Deer

Infectious
  Canine
  Raccoon

Necrotizing
  Multifocal
  Muskrat, Great Horned Owl

Hernia
  Abdominal
  White-tailed Deer

Diaphragmatic
  White-tailed Deer

Infection
  Bacterial
    Clostridium
      Bald Eagle
  Bacterial
    Unspecified
      White-tailed Deer, Woodchuck, Snowy Owl

Infestation
  Louse
    Snowy Owl

  Tick
    *Dermacentor albipictus*
      Moose
    *Ixodes cookei*
      Woodchuck, Mink
Inflammation
  Lymphoplasmacytic
  Bilateral
    Mild
      Elk

Insufficiency
  Pulmonary
    White-tailed Deer

Laminitis
  White-tailed Deer

Malnutrition
  White-tailed Deer, Gray Wolf, Red Fox, Gray Fox, Raccoon, Opossum, Striped Skunk, Bald Eagle, Golden Eagle, Red-tailed Hawk, Broad-winged Hawk, Cooper’s Hawk, Snowy Owl, Trumpeter Swan, Tundra Swan, Canada Goose, Common Loon, Mallard, Double-crested Cormorant, Wild Turkey, Mourning Dove, Common Raven, American Crow, European Starling

Mange
  Notoedric
    Eastern Fox Squirrel
  Sarcoptic
    Gray Wolf (probable), Red Fox, Raccoon

Meningoencephalitis
  Suppurative
    Woodchuck

Metritis
  Suppurative
    Chronic
      White-tailed Deer

Myiasis
  White-tailed Deer, Bald Eagle
Myocarditis
  Multifocal
  White-tailed Deer

Myositis
  Heterophilic
  Marked
  Snowy Owl

Necrotizing
  Severe
  White-tailed Deer

Nematodiasis
  Abdominal
    Ruffed Grouse
  Cerebrospinal
    Parelaphostrongylus tenius
      Moose, Elk
  Intestinal
    European Starling
  Pulmonary
    Raccoon
  Muscular
    Dracunculus insignis
      Mink
  Subcutaneous
    Dracunculus insignis
      Mink

Nephritis
  Degeneration and Necrotic
  Tubular
    Marked
      Bald Eagle
Nephritis continued…

Interstitial
  Lympho-plasmacytic
  Raccoon

Unspecified
  American Crow

Necrotic
  Chronic
    White-tailed Deer

Unspecified
  Bald Eagle

Nodes

Hemal
  White-tailed Deer

Lymph
  White-tailed Deer

Pericarditis

Fibrinous
  Chronic
    White-tailed Deer

Mild
  White-tailed Deer

Suppurative
  Chronic
    White-tailed Deer

Unspecified
  White-tailed Deer

Necrotic
  Chronic
    White-tailed Deer, Double-crested Cormorant
Pericarditis continued…
   Suppurative
      Chronic
         White-tailed Deer

   Unspecified
      White-tailed Deer

Periodontal Disease
   White-tailed Deer

Peritonitis
   Egg Yolk
      Common Loon

   Fibrinous
      Suppurative
         Chronic
            White-tailed Deer

   Unspecified
      White-tailed Deer

   Necrotic
      Chronic
         White-tailed Deer, Canada Goose

   Suppurative
      Chronic
         White-tailed Deer

Pharyngitis
   Heterophilic
      Marked
         Snowy Owl

Pleuritis
   Bacterial
      Fibrinous
         Chronic
            White-tailed Deer
Pleuritis continued...

Fibrinous
  Chronic
    White-tailed Deer, Gray Fox

Suppurative
  Chronic
    White-tailed Deer

Unspecified
  White-tailed Deer, Eastern Gray Squirrel

Mild to Moderate
  White-tailed Deer

Mucopurulent
  Severe
    White-tailed Deer

Necrotic
  White-tailed Deer

Suppurative
  Chronic
    White-tailed Deer

Unspecified
  White-tailed Deer

Pneumonia

Aspiration
  Raccoon, Osprey

Bacterial
  Chronic
    White-tailed Deer

Consolidated
  Severe
    White-tailed Deer

Mild
  White-tailed Deer
Pneumonia continued...

Bacterial continued...

Unspecified
  White-tailed Deer, Eastern Gray Squirrel

Interstitial
  Bacterial
    Severe
    Chronic
      White-tailed Deer

Unspecified
  White-tailed Deer

Mild
  Raccoon

Unspecified
  White-tailed Deer, Gray Fox, Striped Skunk

Mycotic
  Ring-billed Gull

Necrotic
  Caseous
    Red-tailed Hawk

Unspecified
  White-tailed Deer

Severe
  Chronic
    White-tailed Deer

Suppurative
  Chronic
    White-tailed Deer

Unspecified
  White-tailed Deer

Unspecified
  White-tailed Deer, Mourning Dove
Poisoning
Lead
  Acute
    Bald Eagle

  Chronic
    Bald Eagle, Trumpeter Swan, Common Loon, Canada Goose

  Subacute
    Bald Eagle

  Unspecified
    Bald Eagle

Organochlorine
  DDE
    Bald Eagle

  DDE, DDD and DDT
    American Robin

Pentobarbital
  Bald Eagle

Phosphide (possibly Zinc Phopshide)
  Wild Turkey

  Plant (Benzaldehyde dimethyl acetal and mandelonitrile)
    Canada Goose

Pox
  Avian
    Broad-winged Hawk

  Squirrel
    Eastern Gray Squirrel

Rabies
  Gray Fox, Striped Skunk, Little Brown Bat

Salmonellosis
  American Goldfinch, Pine Siskin
Sarcocystosis
  Glossal
    White-tailed Deer
  Mild
    White-tailed Deer
  Unspecified
    White-tailed Deer

Septicemia
  Bacterial
    White-tailed Deer, Woodchuck, Eastern Gray Squirrel

Seroma (hydrocyst)
  White-tailed Deer

Sparganosis
  Muscular (*Spirometra mansoni*)
    Mink

Splenitis
  Necrotizing
    Multifocal
      Great Horned Owl
  Unspecified
    American Crow

Stomatitis
  Heterophilic
    Marked
      Snowy Owl

Stress
  Due to Handling
    Osprey, Canada Goose
  Due to Surgery and Captivity
    Bald Eagle
Stress continued…
Unspecified
  White-tailed Deer, Little Brown Bat, Common Grackle, European Starling, House Finch

Strobilocercosis
  *Taenia taeniaeformis*
  Muskrat

Synechia
  Ocular
    Anterior
      Elk

Tamponade
  Cardiac
    White-tailed Deer, Osprey

Toxicity
  Corn
    White-tailed Deer

Trauma
  Moose, Elk, White-tailed Deer, Gray Wolf, Coyote, Red Fox, Gray Fox, Bobcat, Beaver, Mink, Raccoon, Opossum, Woodchuck, Eastern Fox Squirrel, Eastern Gray Squirrel, Southern Flying Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Golden Eagle, Osprey, Peregrine Falcon, Red-tailed Hawk, Rough-legged Hawk, Sharp-shinned Hawk, Cooper's Hawk, Merlin, Snowy Owl, Great Horned Owl, Barred Owl, Long-eared Owl, Screech Owl, Trumpeter Swan, Tundra Swan, Mute Swan, Canada Goose, Common Loon, Mallard, Wood Duck, Double-crested Cormorant, Great Blue Heron, Wild Turkey, Mourning Dove, Belted Kingfisher, American Crow, European Starling, Red-winged Blackbird, American Robin, Eastern Bluebird

Trematodiasis
  Hepatic
    *Amphimerus elongate*
      Double-crested Cormorant

  Unidentified species
    Common Loon
Trichomoniasis (Probable)
  Snowy Owl

Tuberculosis
  Bovine
  White-tailed Deer

Tumor
  Carcinoma
    Hepatocellular
    Multiple
      Poorly Differentiated
      White-tailed Deer

  Intrabdominal
    Disseminated
      White-tailed Deer

  Fibroma
    White-tailed Deer

  Papilloma
    Oral
      Canine
      Coyote

  Meningioma
    Epithelioid
      Elk

  Sarcoma
    Histiocytic
    Multiple
      White-tailed Deer

Ulceration
  Corneal
    Chronic
      Elk
**West Nile Virus**
Eastern Fox Squirrel, Red-tailed Hawk, Great Horned Owl, Wild Turkey,
American Crow, Blue Jay, House Finch

**Yolk Sac**
Retained
Common Loon