SUMMARY OF DISEASES AFFECTING MICHIGAN WILDLIFE
2015

ABSCESS
Abdominal
    Eastern Fox Squirrel, Trumpeter Swan, Wild Turkey
Airsac
    Canada Goose
Articular
    White-tailed Deer
Cranial
    White-tailed Deer
Dermal
    White-tailed Deer
Hepatic
    White-tailed Deer, Red-tailed Hawk, Wild Turkey
Intramuscular
    White-tailed Deer
Muscular
    Moose, White-tailed Deer, Wild Turkey
Ocular
    White-tailed Deer
Pulmonary
    Granulomatous
        Focal
            White-tailed Deer
    Unspecified
        White-tailed Deer, Raccoon, Canada Goose
Skeletal
    Mourning Dove
Subcutaneous
    White-tailed Deer, Raccoon, Eastern Fox Squirrel, Mute Swan
Thoracic
    White-tailed Deer
Unspecified
    White-tailed Deer

ADHESION
Pleural
    White-tailed Deer
**AIRSACULITIS**

- **Egg Yolk**
  - Canada Goose
- **Fibrinous**
  - Chronic
    - Bald Eagle, Red-tailed Hawk, Canada Goose, Mallard, Wild Turkey
- **Mycotic**
  - Trumpeter Swan, Canada Goose
- **Necrotic**
  - Caseous
    - Chronic
      - Bald Eagle
  - Unspecified
    - Chronic
      - Bald Eagle, Peregrine Falcon, Mute Swan, Redhead, Wild Turkey, Mallard, Mourning Dove
  - Unspecified
    - Snowy Owl, Common Raven, Rock Dove
  - Unspecified
    - Snowy Owl, Merlin, Wild Turkey, American Crow
- **Urate**
  - Red-tailed Hawk

**ANOMALY**

- **Congenital**
  - White-tailed Deer

**ARTHROSIS**

- **Inflammatory**
  - Cooper's Hawk

**ASCITES**

- **Hemorrhagic**
  - White-tailed Deer, Red Fox, Beaver

**ASPERGILLOSIS**

- **Airsac**
  - American Robin
- **Cranial**
  - American Robin
- **Pulmonary**
  - Trumpeter Swan, Blue Jay
**ASPERGILLOSIS (CONTINUED)**

Splenic
- American Robin

Unspecified
- Red-tailed Hawk, Snowy Owl, Trumpeter Swan, Canada Goose, Common Loon, Ring-billed Gull, American Crow, Blue Jay, European Starling

**BLINDNESS**

- White-tailed Deer

**BOTULISM**

- Type C
  - Mallard

- Type E
  - Red-necked Grebe, Ring-billed Gull

**BRONCHIOLITIS**

- Mild
  - Raccoon

**BRONCHOPNEUMONIA**

- Bacterial
  - Acute (*Pasteurella sp.* probable)
    - Eastern Fox Squirrel, Eastern Gray Squirrel
  - Unspecified
    - White-tailed Deer

- Suppurative
  - Moderate
    - Raccoon
  - Unspecified
    - Coyote

- Unspecified
  - Big Brown Bat, Snowy Owl

**CATARACT**

- Bilateral
  - Severe
    - Raccoon
  - Unspecified
    - Red-tailed Hawk
    - Hypermature (with capsular rupture)
    - White-tailed Deer
**Cataract (continued)**

Unspecified

White-tailed Deer

**Cavitatin**

Oral

White-tailed Deer

**Cecitis**

Hemorrhagic (Probable Bacterial)

White-tailed Deer

**Chronic Wasting Disease**

White-tailed Deer

**Coccidiosis**

Renal

Canada Goose

**Congestion**

Cranial

White-tailed Deer

Pulmonary


Splenic

Wild Turkey

**Corn Toxicity**

White-tailed Deer
CUFFING (PROBABLY DUE TO LARVAL PARASITE MIGRATION)
Lymphoplasmacytic
  Focal
    Raccoon
Perivascular
  Eosinophilic
    Raccoon

CYSTICERCOSIS/COENUROSIS
  
  Taenia (Multiceps) serialis
    Snowshoe Hare
  
  Taenia hydatigena
    White-tailed Deer
  
  Echinococcus granulosus
    White-tailed Deer

DEFORMITY
  
  Congenital
    White-tailed Deer, Osprey (Possible)

DEGENERATION
  
  Myxomatous (Heart Valve)
    White-tailed Deer
  
  Retinal
    Mallard

DEHYDRATION
  
  White-tailed Deer, Coyote, Gray Fox, Eastern Fox Squirrel, Eastern Gray Squirrel, Bald Eagle,
  Peregrine Falcon, Osprey, Red-tailed Hawk, Cooper's Hawk, Snowy Owl, Great Horned Owl,
  Long-Eared Owl, Screech Owl, Trumpeter Swan, Mute Swan, Common Loon, Great Blue Heron,
  Wild Turkey, Common Raven, American Crow

DERMATITIS
  
  Bacterial (Staphylococcus sp.)
    Erosive
      Multifocal
        Little Brown Bat
    Necrotizing
      Superficial
        Eastern Fox Squirrel
      Unspecified
        Wild Turkey
DERMATITIS (CONTINUED)

Clostridial
  Great Horned Owl

Fungal
  Big Brown Bat

Proliferative and Necrotizing (Turkey Pox)
  Wild Turkey

DETACHMENT

Retinal
  Diffuse
    White-tailed Deer
  Unspecified
    White-tailed Deer, Mallard

DISTEMPER

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

DROWNING

White-tailed Deer (Possible), Black Bear (Possible), Gray Wolf, Big Brown Bat (Possible), Bald Eagle, Common Loon, Canada Goose, Wood Duck, Red-necked Grebe

DYSGENESIS

Anterior Segment
  White-tailed Deer

ECHINOCOCCOSIS

_Echinococcus granulosus_
  White-tailed Deer

EDEMA

Corneal
  White-tailed Deer

Pulmonary
  White-tailed Deer, Black Bear, Coyote, Red Fox, Gray Fox, Beaver, Mink, Least Weasel, Striped Skunk, Raccoon, Woodchuck, Cottontail Rabbit, Eastern Fox Squirrel, Eastern Gray Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Peregrine Falcon, Osprey, Red-shouldered Hawk, Red-tailed Hawk, Cooper's Hawk, Broad-winged Hawk, Northern Goshawk, Merlin, Snowy Owl, Great Horned Owl, Barred Owl, Screech Owl, Trumpeter Swan, Mute Swan, Canada Goose, Common Loon, Mallard, Canvasback, Common Goldeneye, Gadwall, Wood Duck, Redhead, Red-necked Grebe, Lesser Scaup,
**EDema (Continued)**

Pulmonary *(continued)*

Herring Gull, Ring-billed Gull, Bonaparte's Gull, Wild Turkey, Common Raven, American Crow, Blue Jay, European Starling, Common Grackle, American Robin, Cedar Waxwing, Dark-eyed Junco, Northern Oriole, House Sparrow, Eastern Bluebird

Subcutaneous

Hemorrhagic

White-tailed Deer

**Egg**

Infertile

Common Loon

**Electrocution**

Powerline

Bald Eagle

Unspecified

Bald Eagle, Red-shouldered Hawk, Snowy Owl, Downy Woodpecker, Blue Jay, Baltimore Oriole, American Goldfinch

**Encephalitis**

Eastern Equine

White-tailed Deer

Perivascular

Moderate

Elk

**Endocarditis**

Bacterial *(Probable Streptococcus sp. or Staphylococcus sp.)*

White-tailed Deer

Valvular

White-tailed Deer

**Enteritis**

Bacterial

Hemorrhagic

*Clostridium perfringens*

White-tailed Deer

Unspecified

White-tailed Deer *(Probable)*

Unspecified *(Clostridium sp.)*

Eastern Bluebird
**ENTERITIS (CONTINUED)**

Hemorrhagic
- Gray wolf (possible), Snowy Owl

Necrotizing
- Bacterial (Possible)
  - Trumpeter Swan

Ulcerative
- Hemorrhagic
  - Verminous
    - Mute Swan

**EPICARDITIS**

Fibrinous
- Chronic
  - White-tailed Deer, Snowy Owl, Canada Goose

Necrotic
- Chronic
  - Snowy Owl

**ESOPHAGITIS**

Necrotic
- House Finch

Suppurative
- House Finch

Unspecified
- Chronic
  - Canada Goose

**EXPOSURE**

Gray Wolf (Possible), Coyote, Red Fox, Bald Eagle (Possible), Red-tailed Hawk, Screech Owl, American Crow, Common Grackle, House Sparrow

**FAILURE**

Cardiac
- Bald Eagle

**FASCIOLOIDIASIS**

- Moose, White-tailed Deer
FIBROSIS
Cardiac
  Ventricular
    Bald Eagle
Intralenticular
  Extensive
    White-tailed Deer
Meningeal
  Focal
    Red-tailed Hawk
Perilenticular
  Extensive
    White-tailed Deer
Stromal
  Superficial
    White-tailed Deer
Subepithelial
  Extensive
    White-tailed Deer

FURUNCULOSIS
Pyogranulomatous (Bacterial)
  White-tailed Deer

GLOMERULONEPHRITIS
Membranoproliferative
  Global
    Diffuse
      Severe
        Beaver

GLOSSITIS
Secondary
  White-tailed Deer

GOUT
Renal
  Severe
    Screech Owl, Mallard
Unspecified
  Wild Turkey
**GOUT (continued)**

Visceral

Bald Eagle, Trumpeter Swan

**GRANULOMAS**

Bacterial (*Staphylococcus sp.*)

Pulmonary

Wild Turkey

**HEMORRHAGE**

Agonal

White-tailed Deer

Cranial

White-tailed Deer

Pulmonary

Black Bear, Muskrat, Cottontail Rabbit

Spontaneous

Eastern Fox Squirrel

**HEMOSIDEROSIS**

Splenic (Possible Parasitic)

Moderate

Blue Jay

**HEMOTHORAX**

White-tailed Deer, Beaver, Big Brown Bat

**HEPATITIS**

Necrotic

Chronic

Wild Turkey

Unspecified

Raccoon, Wild Turkey

Necrotizing

Multifocal

Mild to Moderate

White-tailed Deer

Viral

Herpesvirus

Great Horned Owl

Unspecified

Great Horned Owl, Mute Swan

Unspecified

Cottontail Rabbit
HEPATITIS (CONTINUED)

Urate

Red-tailed Hawk

HERNIA

Diaphragmatic

White-tailed Deer

HISTOMONIASIS

Wild Turkey

HYPERPLASIA

Lymphoid

Reactive

Moderate

White-tailed Deer

IMBALANCE

Electrolyte

White-tailed Deer

IMPACTION

Crop

Canada Goose

Esophageal

Canada Goose

INFECTION

Bacterial

Chronic

White-tailed Deer

Secondary

Staphylococcus sp.

Black Bear, Eastern Fox Squirrel, Little Brown Bat, Canada Goose, Wild Turkey, American Crow

Unspecified

White-tailed Deer, Eastern Fox Squirrel, Little Brown Bat, Bald Eagle

Streptococcus uberis and Pseudomonas sp.

White-tailed Deer

Unspecified

Bald Eagle, Mute Swan
INFESTATION
Louse
Sucking
  Eastern Fox Squirrel
Unspecified
  White-tailed Deer, Snowy Owl, Wild Turkey
Mycotic
  Big Brown Bat

INFLUENZA
Avian (H5N2)
  Canada Goose

KERATITIS
Neutrophilic
  White-tailed Deer
Ulcerative
  Chronic
  White-tailed Deer

LEIOMYOSITIS
Verminous
  Heterophilic and Mononuclear
    Multifocal
      Moderate
        American Robin

LIPIDOSIS
Hepatic
  Focal
  White-tailed Deer

LYMPHADENITIS
Suppurative
  Mild
  White-tailed Deer

LYMPHOPROLIFERATIVE DISEASE (POSSIBLE)
  Wild Turkey
MALNUTRITION
White-tailed Deer, Black Bear, Gray Wolf, Coyote, Red Fox, Gray Fox, Raccoon, Least Weasel,
Muskrat, Eastern Fox Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Osprey, Peregrine
Falcon, Red-tailed Hawk, Broad-winged Hawk, Cooper's Hawk, Northern Goshawk, Snowy Owl,
Great Horned Owl, Barred Owl, Screech Owl, Trumpeter Swan, Mute Swan, Tundra Swan,
Canada Goose, Common Loon, Canvasback, Long-tailed Duck, Common Goldeneye, Herring Gull,
Great Blue Heron, Wild Turkey, Rock Dove, American Crow, Common Grackle, American Robin

MANGE
Demodectic
White-tailed Deer
Sarcoptic
Black Bear, Gray Wolf (Probable, old infestation), Coyote, Red Fox

MENINGITIS
Eosinophilic (Parasitic)
Mild (Parelophtostrongylus tenuis)
White-tailed Deer
Mild to Multifocally Moderate
Elk
Non-Suppurative
Moose

MENINGOENCEPHALITIS
Bacterial
Staphylococcus sp.
Severe
Elk
Unspecified
Focal
White-tailed Deer
Eosinophilic
Parasitic (Baylisascaris procyonis)
Severe
Woodchuck
Lympho-Plasmacytic
Severe
Woodchuck
MENINGOENCEPHALITIS (CONTINUED)
 Non-Heterophilic
   Mild
     Unspecified
     Canada Goose
     Viral
     Canada Goose
 Non-Suppurative
   Moderate
     White-tailed Deer
 Suppurative (Bacterial)
   Moderate
     Woodchuck

METRITIS
 Hemorrhagic
   Gray Wolf

MYCOPLASMOSIS
 House Finch

MYIASIS
 White-tailed Deer

MYOCARDITIS
 Necrotizing
   Multifocal
     Unspecified
     White-tailed Deer
     Viral
     Mute Swan

MYOPATHY
 Capture (Trap)
   Coyote

MYOSITIS
 Fibrino-Suppurative
   Severe
     White-tailed Deer
**NEGLECT**
Maternal
White-tailed Deer

**NEMATODIASIS**
Abdominal
*Setaria yehi*
White-tailed Deer
Unspecified
White-tailed Deer
Cardiac
*Dirofilaria immitis*
Coyote
*Sarconema eurycerca*
Trumpeter Swan
Cerebral
*Chandlerella quiscalii* (probable)
Common Grackle
Pulmonary
*Dictyocaulus* sp.
White-tailed Deer
Unspecified
White-tailed Deer
Subcutaneous
*Dracunculus* sp.
Fisher (Probable), American Martin
Tracheal
*Syngamus* or *Cyathostoma* sp. (Probable)
Great Horned Owl

**NEPHRITIS**
Coccidial
Moderate
Canada Goose
Tubulo-Interstitial (likely *Eimeria truncata*)
Canada Goose
Interstitial
Lymphoplasmacytic
Multifocal
Moderate
Canada Goose
Nephritis (continued)
Urate
Red-tailed Hawk

Overdose
Drug (Possible)
White-tailed Deer

Panophthalmitis
Fibrinonecrotizing
Subacute
Severe
White-tailed Deer
Suppurative
White-tailed Deer

Perforation
Corneal
White-tailed Deer

Pericarditis
Fibrinous
Chronic
Moose, White-tailed Deer, Raccoon, Red-tailed Hawk, Canada Goose, Wild Turkey
Necrotic
Chronic
Snowy Owl, Mourning Dove

Peritonitis
Egg Yolk
Wild Turkey, American Robin
Fibrinous
Chronic
White-tailed Deer, Peregrine Falcon, Canada Goose
Granulomatous
Chronic
White-tailed Deer
Necrotic
Caseous
Chronic
Bald Eagle
**PERITONITIS (CONTINUED)**

Necrotic (continued)
- Unspecified
  - Chronic
    - Peregrine Falcon, Wild Turkey

Necrotizing
- Chronic
  - White-tailed Deer

Unspecified
- White-tailed Deer, Wild Turkey

**PERIOSIS**

Osprey

**PLEURITIS**

Bacterial
- White-tailed Deer, Eastern Fox Squirrel

Fibrinous
- Chronic
  - White-tailed Deer, Raccoon, Mallard

Unspecified
- White-tailed Deer

Fibrino-Suppurative
- White-tailed Deer

Necrotic
- Chronic
  - Snowy Owl

Suppurative
- Chronic
  - White-tailed Deer

**PLEXITIS**

Choroid
- Non-Suppurative
  - Moose

Unspecified
- Woodchuck

**PNEUMONIA**

Aspiration
- Bald Eagle
**Pneumonia (continued)**

Bacterial
- White-tailed Deer, Eastern Fox Squirrel, Canada Goose, American Crow

Bronchointerstitial
- Multifocal
  - Moderate
    - Raccoon

Fibrinous
- Chronic
  - White-tailed Deer

Fibrino-Necrotizing
- Eastern Fox Squirrel

Interstitial
- Bacterial
  - Focal
    - Gray Wolf

Heterophilic
- Moderate
  - Canada Goose

Lymphocytic
- Canada Goose

Lymphoplasmacytic
- Mild to Moderate
  - Raccoon

Mild
- White-tailed Deer, Coyote, Red Fox, Gray Fox, Raccoon, Striped Skunk

Moderate
- Red Fox, Raccoon, Little Brown Bat

Multifocal
- Mild
  - White-tailed Deer

Unspecified
- White-tailed Deer, Coyote, Bobcat, Red Fox, Gray Fox, Raccoon, Eastern Fox Squirrel

Mycotic
  - *Aspergillus sp.*
    - Red-shouldered Hawk

Unspecified
- Gray Wolf

Necrotic
- White-tailed Deer
**PNEUMONIA (continued)**

Necrotizing
- Eastern Fox Squirrel

Suppurative
- Chronic
  - White-tailed Deer
- Unspecified
  - White-tailed deer

Unspecified
- White-tailed Deer

**POISONING**

Anticoagulant
- Bromadiolone
  - Eastern Gray Squirrel
- Brodifacoum
  - Red Fox, Gray Fox

Caffeine (Possible)
- Ring-billed Gull

Diazinon
- Mallard

Lead
- Acute
  - Bald Eagle, Common Merganser
- Chronic
  - Bald Eagle, Trumpeter Swan, Tundra Swan, Canada Goose, Common Loon, Canvasback, Mallard, Common Goldeneye

Pentobarbital
- American Crow

**Pox**

Avian
- Canada Goose, Wild Turkey, American Crow

Squirrel
- Eastern Fox Squirrel

Turkey
  - Cutaneous
    - Wild Turkey
  - Diphtheritic
    - Wild Turkey
**Rabies**
Little Brown Bat

**Rupture**
Cataract
  - Bilateral
    - White-tailed Deer
Lens
  - White-tailed Deer, Mallard
Follicle
  - Ovarian
    - Mallard

**Sarcocystosis**
Cottontail Rabbit

**Septicemia**
White-tailed Deer, Gray Wolf, Beaver (Possible), Eastern Fox Squirrel, Mute Swan (Possible), Great Horned Owl (Possible), Wild Turkey

**Shock**
Gray Wolf

**Splenitis**
Bacterial
  - Eastern Fox Squirrel
Necrotizing
  - Multifocal
    - Viral
      - Herpesvirus
        - Great Horned Owl
      - Unspecified
        - Great Horned Owl, Mute Swan

**Splenomegaly**
Wild Turkey

**Starvation**
Elk, White-tailed Deer, Bobcat, Red-tailed Hawk, Cooper's Hawk, Snowy Owl, Great Horned Owl, Barred Owl, Long-Eared Owl, Screech Owl, Mute Swan, Tundra Swan, Canvasback, Common Goldeneye, Gadwall, Lesser Scaup, Redhead, Wild Turkey
STOMATITIS
Bacterial (*Staphylococcus* sp.)
Wild Turkey

STRESS
Handling
Canada Goose
Trap Related
White-tailed Deer, Gray Wolf
Snare
Feral Swine
Unspecified
Gray Wolf, Feral Swine, Eastern Fox Squirrel, Big Brown Bat, Little Brown Bat, Bald Eagle, Osprey (Possible), Canada Goose, Common Loon, Mallard, Wood Duck, American Crow, Blue Jay (Possible), Common Grackle, European Starling, American Robin, House Sparrow

SUFFOCATION
Feral Swine (Probable)

SYNECHIA
Anterior (to the cornea)
White-tailed Deer

TAGS
Skin (Acrochordon)
Multiple
Coyote

TAMPOONADE
Cardiac
White-tailed Deer

TOXOPLASMOSIS
Eastern Fox Squirrel

TRAUMA
Moose, Elk, Mule deer, White-tailed deer, Black Bear, Gray Wolf, Coyote, Feral Swine, Red Fox, Gray Fox, Bobcat, River Otter, Fisher, American Marten, Muskrat, Raccoon, Opossum, Armadillo, Cottontail Rabbit, Eastern Fox Squirrel, Eastern Gray Squirrel, Big Brown Bat, Bald Eagle, Peregrine Falcon, Osprey, Red-tailed Hawk, Cooper's Hawk, Sharp-shinned Hawk, Merlin, Snowy Owl, Great Horned Owl, Barred Owl, Screech Owl, Saw-Whet Owl, Mute Swan, Trumpeter Swan, Common Loon, Double-crested Cormorant, Canada Goose, Mallard, Green-winged Teal,
TRAUMA (CONTINUED)


TRICHOMONIASIS

Rock Dove

TUBERCULOSIS

Bovine

White-tailed Deer

TUMOR

Polyp

Abomasal

Multifocal

White-tailed Deer

Sarcoma (Soft Tissue)

White-tailed Deer

ULCERATION

Corneal

Extensive

White-tailed Deer

Tongue

White-tailed Deer

WEST NILE VIRUS

Moose, Elk, White-tailed Deer, Eastern Fox Squirrel, Big Brown Bat, Bald Eagle, Osprey, Peregrine Falcon, Red-tailed Hawk, Red-shouldered Hawk, Cooper's Hawk, Broad-winged Hawk, Northern Goshawk, Snowy Owl, Great Horned Owl, Screech Owl, Canada Goose, Mallard, Long-tailed Duck, Ring-billed Gull, Herring Gull, Wild Turkey, Mourning Dove, Common Raven, American Crow, Blue Jay, Common Grackle, European Starling, Red-winged Blackbird, Purple Martin, Northern Oriole, American Robin, Chipping Sparrow, House Sparrow, House Finch

WHITE NOSE SYNDROME

Big Brown Bat, Little Brown Bat, Northern Long-eared Bat