

Summary of Disease Affecting Michigan Wildlife 2008

Abnormality

Congenital

White-tailed Deer

Abscess

Abdominal

White-tailed Deer

Articular

White-tailed Deer

Cardiac

American Kestrel

Cranial

White-tailed Deer

Hepatic

Multifocal

White-tailed Deer

Unspecified

White-tailed Deer, Bald Eagle

Interdigital

White-tailed Deer

Intramuscular

White-tailed Deer, Wild Turkey

Mesenteric

White-tailed Deer

Muscular

White-tailed Deer, Bald Eagle, American Kestrel

Omental

White-tailed Deer

Pulmonary

Focal

White-tailed Deer

Unspecified

White-tailed Deer

Renal/Nephritic

White-tailed Deer

Sinus

White-tailed Deer

Skeletal

Bald Eagle

Splenic

White-tailed Deer, Raccoon

Subcutaneous

White-tailed Deer, Raccoon

Unspecified

White-tailed Deer

Actinomycosis

White-tailed Deer

Adhesions

Hepatic

White-tailed Deer

Airsacculitis

Fibrinous

Red-tailed Hawk

Fungal

Trumpeter Swan

Fungal & Necrotic

Common Loon

Unspecified
Bald Eagle, Common Grackle

Amyloidosis

Lymph Node
White-tailed Deer

Nephritic (Glomeruli & Medullary)
Cottontail Rabbit

Ascites

Suppurative
White-tailed Deer

Unspecified
White-tailed Deer, Canvasback, Redhead

Aspergillosis

Bald Eagle, Red-tailed Hawk, Trumpeter Swan, Common Loon
Lesser Scaup, Ring-billed Gull

Botulism

Type E
Common Loon, Double-crested Cormorant, Herring Gull,
Ring-billed Gull

Bronchopneumonia

Bacterial
White-tailed Deer

Necrotizing
Severe
White-tailed Deer

Capsulitis

Hepatic
Multifocal
Chronic
White-tailed Deer

Carditis

Fibrosing

Degenerative

Chronic

Multifocal

White-tailed Deer

Caseogranulomas

Hepatic

Capsular

Multifocal

White-tailed Deer

Cataract

Bilateral

White-tailed Deer

Unilateral

Mild

Cottontail Rabbit

Cecitis

Hemorrhagic

White-tailed Deer

Cellulitis

Bacterial

Necrotizing

Chronic

White-tailed Deer

Coccidiosis

Renal

Big Brown Bat

Congestion

Pulmonary

Moose, White-tailed Deer, Gray Wolf, Red Fox, Cottontail Rabbit, Big Brown Bat, Bald Eagle, Osprey, American Kestrel, Trumpeter Swan, Canada Goose, Common Loon, Double-crested Cormorant, Mallard, Common Goldeneye, Lesser Scaup, Bufflehead, Horned Grebe, Northern Cardinal, Red-bellied Woodpecker, European Starling, House Sparrow

Splenic

White-tailed Deer

Cyst

Dermoid

White-tailed Deer

Hemorrhagic

White-tailed Deer

Parasite

White-tailed Deer

Cysticercosis

Echinococcus granulosus

White-tailed Deer

Taenia hydatigena

White-tailed Deer

Taenia taeniaeformis (strobilocercus)

Muskrat

Dehydration

White-tailed Deer, Raccoon, Cottontail Rabbit, Bald Eagle, Osprey, Red-tailed Hawk, Cooper's Hawk, Great Horned Owl, Snowy Owl, Barred Owl, Boreal Owl, Common Loon, Double-crested Cormorant, Common Goldeneye, Ring-billed Gull, Great Blue Heron, European Starling

Dermatitis

Bacterial

Wild Turkey

Hyperplastic

Ruffed Grouse

Perivascular

Extensive

Locally

Chronic

Moderate (with Intrafollicular *Demodex* sp. and
Superficial bacterial colonies)

White-tailed Deer

Unspecified

White-tailed Deer

Disease

Lymphocystis

Walleye

Disorder

Metabolic

White-tailed Deer

Distemper

Canine

Gray Fox, Raccoon

Drowning

Bald Eagle, Peregrine Falcon, Red-tailed Hawk, Trumpeter Swan, Common
Loon, Double-crested Cormorant, Canvasback, Horned Grebe, House Sparrow

Edema

Pulmonary

Coyote, Red Fox, Raccoon, Cottontail Rabbit, Eastern Fox Squirrel, Big Brown Bat, Bald Eagle, Osprey, Red-tailed Hawk, American Kestrel, Trumpeter Swan, Canada Goose, Common Loon, Double-crested Cormorant, Mallard, Common Goldeneye, White-winged Scoter, Bufflehead, Horned Grebe, European Starling, House Sparrow

Subcutaneous

White-tailed Deer

Visceral

White-tailed Deer

Electrocution

White-tailed Deer, Bald Eagle, Great Horned Owl

Emphysema

Traumatic

White-tailed Deer

Encephalitis

Granulomatous

Multifocal

Mute Swan

Lymphoplasmacytic

Moderate

White-tailed Deer

Suppurative

Multifocal

White-tailed Deer

Unspecified

White-tailed Deer

Encephalopathy

Degenerative

Chronic

Multifocal

White-tailed Deer

Endocarditis

Vegetative

American Kestrel

Endometritis

Chronic

White-tailed Deer

Enteritis

Bacterial

White-tailed Deer

Fibrino Mucoid

Raccoon

Hemorrhagic

Acute

Mute Swan

Unspecified

White-tailed Deer

Ulcerative

Hemorrhagic

Verminous

Mute Swan

Epicarditis

Fibrinous

Red-tailed Hawk

Unspecified

White-tailed Deer, Common Grackle

Epidermatitis

Purulent

Chronic

Multifocal

Severe

White-tailed Deer

Epizootic Hemorrhagic Disease

White-tailed Deer

Esophagitis

Hyperplastic & Fibrinonecrotic

Chronic

Extensive to Diffuse

Severe

Great Horned Owl

Necrotic

Caseous

Canada Goose

Chronic

House Finch

Unspecified

Wild Turkey

Exposure

White-tailed Deer, Gray Wolf

Fascioloidiasis

Moose, White-tailed Deer

Glomerulonephropathy

Global

Diffuse

Chronic

Moderate

Cottontail Rabbit

Gout

Visceral (Renal)
European Starling

Hemorrhages

Agonal
Intramuscular
White-tailed Deer

Unspecified
White-tailed Deer

Pulmonary
White-tailed Deer, Common Loon

Splenic
White-tailed Deer

Hepatitis

Eosinophilic and Necrotizing
Multifocal
Raccoon

Fibrinous
White-tailed Deer

Fibrosing
Chronic
Moderate
Canada Goose

Necrotizing
Granulomatous
Random
Chronic
Moderate
Double-crested Cormorant

Multifocal
White-tailed Deer

Hernia

Diaphragmatic
White-tailed Deer

Hydrocyst/Seroma

White-tailed Deer

Hyperplasia

Corneal
Degenerative
Chronic
White-tailed Deer

Lymph Node
White-tailed Deer

Hypertrophy

Lymph Node
White-tailed Deer

Imbalance

Electrolyte
White-tailed Deer

Impaction

Food
Esophageal
Canada Goose

Intramuscular
White-tailed Deer

Infection

Bacterial
Canada Goose, House Sparrow

Infestation

Louse

White-tailed Deer, Gray Wolf

Tick

Elk

Insufficiency

Circulatory

White-tailed Deer, Wild Turkey

Intoxication

Crabapple

Cedar Waxwing

Keratitis

Ulcerative

Lymphoplasmacytic

Chronic

Locally Extensive

Severe

Trauma Induced

White-tailed Deer

Lymphadenitis

Caseogranulomatous

Multifocal

White-tailed Deer

Malnutrition

Elk, White-tailed Deer, Gray Wolf, Coyote, Red Fox, Gray Fox, Raccoon, Cottontail Rabbit, Bald Eagle, Osprey, Red-tailed Hawk, Rough-legged Hawk, Cooper's Hawk, Sharp-shinned Hawk, American Kestrel, Great Horned Owl, Snowy Owl, Barred Owl, Short-eared Owl, Saw-whet Owl, Boreal Owl, Trumpeter Swan, Canada Goose, Common Loon, Double-crested Cormorant, Canvasback, Redhead, Common Goldeneye, Lesser Scaup, White-winged Scoter, Bufflehead, Horned Grebe, Herring Gull, Ring-billed Gull, Great Blue Heron, Great Egret, Wild Turkey, Mourning Dove, European Starling

Mange

Sarcoptic

Gray Wolf, Red Fox

Meningitis

Bacterial

Elk

Lymphocytic

Chronic

White-tailed Deer

Unspecified

White-tailed Deer

Meningoencephalitis

Thrombo-embolic (Bacterial)

White-tailed Deer

Myiasis

Hypoderma sp.

White-tailed Deer

Unspecified

Bald Eagle, Great Blue Heron

Myopathy

Capture

White-tailed Deer

Myositis

Bacterial

Necrotizing

Chronic

White-tailed Deer

Necrosis

Fat

Extensive

Locally

Chronic

Moderate

Red-tailed Hawk

Perirenal

Focal

White-tailed Deer

Unspecified

White-tailed Deer

Neuronal

Multifocal

Mild

White-tailed Deer

Nematodiasis

Cerebrospinal

[*Parelaphostrongylus tenuis*](#)

Elk

Esophageal

Capillaria sp.

Great Horned Owl

Hepatic

[*Setaria yehi*](#)

White-tailed Deer

Respiratory/Pulmonary

Dictyocaulus sp.

White-tailed Deer

Ventricular

Eustrongylides sp.

Great Egret

Nephritis

Bacterial

Suppurative and Hemorrhagic

Multifocal

Severe

Raccoon

Degenerative

Focal

Chronic

Moderate

Double-crested Cormorant

Interstitial

Lymphoplasmacytic

Chronic

White-tailed Deer

Mild

Cottontail Rabbit

Tubular

Necrotizing

White-tailed Deer

Unspecified

White-tailed Deer, Gray Wolf

Nephropathy

Degenerative

Chronic

Diffuse

White-tailed Deer

Newcastle Disease

Virulent

Double-crested Cormorant

Parvovirus

Canine or Raccoon

Raccoon

Pericarditis

Bacterial

White-tailed Deer

Chronic

Severe

White-tailed Deer

Fibrinous

Chronic

White-tailed Deer

Unspecified

White-tailed Deer

Unspecified

White-tailed Deer, Common Grackle

Peritonitis

Fibrinous

Canada Goose

Unspecified

White-tailed Deer, Common Grackle

Placentitis

Chronic

White-tailed Deer

Pleuritis

Bacterial

White-tailed Deer

Caseogranulomatous

Multifocal

White-tailed Deer

Fibrinous

Chronic

Severe

White-tailed Deer

Unspecified
White-tailed Deer

Granulomatous
Chronic
White-tailed Deer

Multifocal
Chronic
Severe
White-tailed Deer

Hemorrhagic
White-tailed Deer

Unspecified
White-tailed Deer

Pneumonia

Caseogranulomatous
Multifocal
White-tailed Deer

Fibrinous
Chronic
White-tailed Deer

Unspecified
White-tailed Deer

Granulomatous
Multifocal
Chronic
Severe
White-tailed Deer

Unspecified
White-tailed Deer

Interstitial

Acute

Moderate

White-tailed Deer

Chronic

Mild

White-tailed Deer

Mild and Moderate

White-tailed Deer

Non Suppurative

Extensive

Multifocal and Locally

Mild

White-tailed Deer

Mild

White-tailed Deer

Necrotizing

White-tailed Deer

Non-Bacterial

White-tailed Deer

Parasitic

Multifocal

Mild

White-tailed Deer

Severe

Diffuse

White-tailed Deer

Suppurative

Chronic

White-tailed Deer

Consolidated

Chronic

White-tailed Deer

Unspecified

White-tailed Deer

Suppurative and Coagulative

Chronic

White-tailed Deer

Unspecified

White-tailed Deer, Raccoon, Common Goldeneye

Poisoning

Carbofuran

Opossum, Red-tailed Hawk

Diazinon

Canada Goose

Lead

Chronic

Bald Eagle, Mute Swan, Common Loon

Unspecified

Mute Swan

O-hydroxybiphenyl

Red Fox

Pentobarbitol

Bald Eagle

Zinc Phosphide

Wild Turkey

Pox

Avian

Cutaneous

Wild Turkey, Ruffed Grouse, Mourning Dove

Diphtheritic

Peregrine Falcon, Wild Turkey, Ruffed Grouse, Mourning Dove

Salmonellosis

Double-crested Cormorant, American Goldfinch, Common Redpoll, Pine Siskin,
House Sparrow

Saponification

Fat
Pericardial
Red-tailed Hawk

Sarcocystosis

Cardiac
Raccoon

Intramuscular
Cottontail Rabbit

Myocardial
White-tailed Deer

Unspecified
White-tailed Deer

Septicemia

Bacterial
Big Brown Bat

Shock

White-tailed Deer

Splenitis

Caseogranulomatous
Multifocal
White-tailed Deer

Multifocal
Chronic
Moderate
House Sparrow

Starvation

White-tailed Deer, Barred Owl

Stomatitis

Proliferative

Multifocal

Chronic

Mild

Peregrine Falcon

Stress

Due to Capture

White-tailed Deer, Black Bear

Unspecified

White-tailed Deer

Suffocation

Due to a Fish

Common Loon

Due to Fishing Tackle

Double-crested Cormorant

Due to Trichomoniasis Lesions

Mourning Dove

Toxicity

Corn

White-tailed Deer

Tracheitis

Locally Extensive

Moderate

Mallard

Trauma

Moose, Elk, White-tailed Deer, Black Bear, Gray Wolf, Coyote, Red Fox, Gray Fox, Bobcat, Raccoon, Eastern Fox Squirrel, Southern Flying Squirrel, Big Brown Bat, Bald Eagle, Peregrine Falcon, Osprey, Red-tailed Hawk, Broad-winged Hawk, Northern Goshawk, Red-Shouldered Hawk, Rough-legged Hawk, Cooper's Hawk, Sharp-shinned Hawk, Great Gray Owl, Great Horned Owl, Snowy Owl, Barred Owl, Long-eared Owl, Turkey Vulture, Trumpeter Swan, Mute Swan, Canada Goose, Common Loon, Mallard, Redhead, Common Goldeneye, Lesser Scaup, Wood Duck, Ring-billed Gull, Great Blue Heron, Belted Kingfisher, Wild Turkey, Ruffed Grouse, Mourning Dove, Pileated Woodpecker, Common Raven, American Crow, Common Grackle, Blue Jay, Northern Cardinal, American Robin, Cedar Waxwing, Pine Grosbeak, Eastern Kingbird, Red Crossbill, Dark-eyed Junco, Pine Siskin, House Sparrow

Trematodiasis

Hepatic
Osprey

Trichomoniasis

Mourning Dove

Tuberculosis

Bovine
White-tailed Deer

Tumor

Fibroma

White-tailed Deer

Lymphosarcoma

White-tailed Deer

Myxoma

Muskrat

Plasma Cell

White-tailed Deer

Sarcoma

White-tailed Deer

Teratoma

Ovarian

Great Horned Owl

Ulcer

Corneal

Focal

Bilateral

White-tailed Deer

West Nile Virus

Red-tailed Hawk