

Veterinary Diagnostic Laboratory  
College of Veterinary Medicine  
1333 Gortner Avenue  
St. Paul, MN 55108

## Diagnostic Detail Report

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**Accession Number:** D22-021652

**Owner:** NATIONAL LOON CENTER  
14303 GOULD ST  
CROSSLAKE, MN 56442

**Received Date:** 06/21/2022

**Site:**

**Reference:**

**Species:** Avian, Miscellaneous

**Premises ID:**

**Breed:** Loon

**Date(s) Sampled:**

**Age:** Adult **Sex:**

**Submitted by:** National Loon Center  
14303 Gould St  
PO Box 642  
Crosslake, MN 56442  
US

**Weight:**

*Please be advised: Submitting to the U of M VDL through a licensed veterinarian increases quality and integrity of the submission and allows for the veterinarian to provide interpretations.*

**Interpretation:** Preliminary: [06/22/2022 16:55:00](#)

Preliminary: [06/23/2022 14:41:00](#)

Completed: [06/24/2022 16:48:00](#)

**History:** This common loon was found dead at the south shore of Bay Lake (the date was not provided). The necropsy was performed by Dr. Arno Wunschmann on June 22, 2022 between 1.30 and 2.10PM in the biosafety cabinet of the old BSL-3 floor of the Minnesota Veterinary Diagnostic Laboratory.

**Specimen:** The whole carcass of an adult female common loon was submitted frozen. It underwent necropsy in a state of good postmortem preservation.

**Necropsy:** General condition: The animal was in a fair nutritional state.

Body cavity: There were no significant macroscopic lesions.

Integument: There were no significant macroscopic lesions.

Alimentary system: There were no significant macroscopic lesions. The proventriculus and ventriculus were largely empty.

Urinary system: There were no significant macroscopic lesions.

Respiratory system: There were no significant macroscopic lesions.

Endocrine system: There were no significant macroscopic lesions.

Hemolymphatic system: There were no significant macroscopic lesions.

Nervous system: There was marked acute meningeal hemorrhage particularly at the left cerebral hemisphere. There was marked acute retrobulbar hemorrhage of the left eye.

Reproductive system: There were no significant macroscopic lesions.

Cardiovascular system: There were no significant macroscopic lesions.

Locomotive system: There were no significant macroscopic lesions.

**Histopathology:** Slide A: Liver and spleen, no significant macroscopic lesions (nsml); freeze thaw artifacts.

**Molecular diagnostics:** An oropharyngeal/cloacal swab was negative for influenza A virus by PCR.

**Diagnosis:** Final

1. Brain, meningeal hemorrhage, acute, marked.
2. Left eye, retrobulbar hemorrhage, acute, marked.

**Comments:** The lesions are consistent with a massive blunt force trauma to the head. This trauma likely caused the death of the animal.

Samples of the liver and kidney were saved frozen.

Dictated by: ARNO WUNSCHMANN, DVM, Dr. med.vet., Diplomate ACVP, PATHOLOGIST on 6/22/2022 4:41 PM

Attending Specialist:

Electronically Signed By: ARNO WUNSCHMANN, DVM, Dr. med.vet., Diplomate ACVP, PATHOLOGIST on 6/24/2022 4:48 PM

Result	Entered	Completed
<b>Histopathology</b>		
<b>Histopathology - Fixed Tissue</b>		
I-COMMON LOON/AD Please view diagnostic report.	06/22/2022	06/22/2022

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Result	Entered	Completed
<b>Molecular Diagnostics</b>		
<b>Influenza A matrix (USDA) real-time PCR - Tracheal Swab</b>		
1-COMMON LOON/AD      Neg	06/23/2022	06/23/2022
<b>Outsourced Laboratory Services</b>		
<b>Minerals, tissues [MSU VDL] - Liver</b>		
1-COMMON LOON/AD	Incomplete	
<b>Outsource preparation - Liver</b>		
1-COMMON LOON/AD      Sent To Reference Lab	06/27/2022	06/27/2022