



Inter-agency Wild Bird Avian Influenza Survey Update

A report of samples collected and tested as of December 31st, 2020

PLEASE NOTE: The data displayed in the following report are the most recent AIV test results provided to the CWHC by participating program partners. All survey numbers are displayed for the current calendar year.

DEAD BIRD SURVEY 2020

Number of birds tested and number matrix PCR positive* since January 1, 2020

| Region | December 1st–December 31st, 2020 | | Year to Date | |
|-----------------------|----------------------------------|------------------|--------------|------------------|
| | Tested | Matrix Positive* | Tested | Matrix Positive* |
| British Columbia | 0 | 0 | 175 | 0 |
| Alberta | 8 | 0 | 160 | 3 |
| Saskatchewan | 0 | 0 | 97 | 2 |
| Manitoba | 0 | 0 | 0 | 0 |
| Ontario | 1 | 0 | 53 | 2 |
| Quebec | 0 | 0 | 21 | 1 |
| New Brunswick | 0 | 0 | 19 | 0 |
| Nova Scotia | 0 | 0 | 15 | 0 |
| Prince Edward Island | 3 | 0 | 67 | 0 |
| Newfoundland | 0 | 0 | 2 | 0 |
| Yukon Territory | 0 | 0 | 0 | 0 |
| Northwest Territories | 0 | 0 | 0 | 0 |
| Nunavut | 0 | 0 | 0 | 0 |
| Total | 12 | 0 | 609 | 8 |

*Matrix positive includes all birds that tested 'not negative' by PCR for one or more Influenza A viruses. The number of positive test results included both those birds that tested POSITIVE (Ct value less than 36) and those that had an INCONCLUSIVE test result (Ct value greater than or equal to 36).

Any samples found to be matrix POSITIVE or INCONCLUSIVE are then tested by PCR for H5 and H7 strains at the regional level. Any samples that are then found to be either H5 or H7 POSITIVE or INCONCLUSIVE are immediately sent to the NCFAD for confirmation and identification. Authorities from the province or region where the bird was sampled will be notified when preliminary H5 or H7 positive results are found at the regional lab. When the CFIA confirms and identifies the virus, authorities from across the country will be notified. This update reports all POSITIVE or INCONCLUSIVE matrix results, but does not report whether or not these samples were found to be H5 or H7 positive. This information as well as maps and historical data are available on the CWHC AIV portal at:

http://www.cwhc-rcsf.ca/surveillance_data_aiv.php



LIVE BIRD SURVEY 2020

Number of live birds tested and number matrix, H5 and H7 PCR positive* since January 1, 2020

| | Tested | Matrix Positive* | H5 Positive* | H7 Positive* |
|-------------------------------|---------------|-------------------------|---------------------|---------------------|
| British Columbia ¹ | 0 | 0 | 0 | 0 |
| Alberta | 0 | 0 | 0 | 0 |
| Saskatchewan | 278 | 42 | 0 | 0 |
| Manitoba | 0 | 0 | 0 | 0 |
| Ontario | 0 | 0 | 0 | 0 |
| Quebec | 0 | 0 | 0 | 0 |
| New Brunswick | 0 | 0 | 0 | 0 |
| Nova Scotia | 0 | 0 | 0 | 0 |
| Prince Edward Island | 0 | 0 | 0 | 0 |
| Newfoundland | 0 | 0 | 0 | 0 |
| Yukon Territory | 0 | 0 | 0 | 0 |
| Northwest Territories | 0 | 0 | 0 | 0 |
| Nunavut | 0 | 0 | 0 | 0 |
| Total | 278 | 42 | 0 | 0 |

¹ The samples from BC include birds that were live trapped as well as hunter-killed specimens

*Matrix, H5 and H7 positive results include all birds that tested 'not negative' by PCR for one or more Influenza A viruses. The number of positive test results shown includes both those birds that tested POSITIVE (Ct value less than 36) and those that had an INCONCLUSIVE test result (Ct value greater than or equal to 36).

Any samples found to be matrix POSITIVE or INCONCLUSIVE are then tested by PCR for H5 and H7 strains at the regional level. Any samples that are then found to be either H5 or H7 POSITIVE or INCONCLUSIVE are immediately sent to the NCFAD for confirmation and identification. Authorities from the province or region where the bird was sampled will be notified when preliminary H5 or H7 positive results are found at the regional lab. When the CFIA confirms and identifies the virus, authorities from across the country will be notified. **This update reports all PCR test results from the regional labs and screening done by CFIA; it does not report the final confirmatory results from the CFIA.**

This report and additional information including maps and historical data are available on the CWHC AIV portal at:

http://www.cwhc-rscf.ca/surveillance_data_aiv.php

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