

## Follow-up report No.12

Report reference: , Reference OIE : 17581, Report Date : 22/04/2015, Country : United States of America

### Report Summary

|                                     |   |                              |                              |
|-------------------------------------|---|------------------------------|------------------------------|
| <b>Name of sender of the report</b> | Dr John Clifford  | <b>Telephone</b>             | (1-202) 799-7146             |
| <b>Position</b>                     | Deputy Administrator  | <b>Fax</b>                   | (1-202) 799-7146             |
| <b>Address</b>                      | Room # 317-E  | <b>Email</b>                 | John.Clifford@aphis.usda.gov |
|                                     | Jamie L. Whitten Federal Building<br>1400 Independence Ave, SW<br>Washington, DC 20250 Washington 20250 | <b>Date submitted to OIE</b> | 22/04/2015                   |

|                                     |   |  |                       |
|-------------------------------------|---|--|-----------------------|
| <b>Animal type</b>                  | Terrestrial                             | <b>Date of report</b>                    | 22/04/2015            |
| <b>Disease</b>                      | Highly pathogenic avian influenza       | <b>Date of start of the event</b>        | 10/12/2014            |
| <b>Causal Agent</b>                 | Highly pathogenic avian influenza virus | <b>Date of confirmation of the event</b> | 14/12/2014            |
| <b>Serotype(s)</b>                  | H5N8                                    | <b>Date of last occurrence</b>           | 2004                  |
| <b>Reason</b>                       | Reoccurrence of a listed disease        | <b>Diagnosis</b>                         | Laboratory (advanced) |
| <b>Country or zone</b>              | a zone or compartment                   | <b>Clinical signs</b>                    | Yes                   |
| <b>Number of reported outbreaks</b> | submitted= 20, Draft= 0                 |  |                       |

### Outbreak details

| State                                   | Number of outbreaks    | County      | Unit Type      | Location       | Latitude  | Longitude   | Start Date | End Date:  |
|---|------------------------|-------------|----------------|----------------|-----------|-------------|------------|------------|
| WASHINGTON-other report - submitted     | -                      | Whatcom     | Not applicable | Whatcom County | 48.98     | -122.47     | 10/12/2014 | 10/03/2015 |
| Species                                 | Measuring units        | Susceptible | Cases          | Deaths         | Destroyed | Slaughtered |            |            |
| Gyr Falcon:Falconidae(Falco rusticolus) | Animals                | ...         | ...            | ...            | ...       | ...         |            |            |
| Affected Population                     | Captive wild gyrfalcon |             |                |                |           |             |            |            |

| State                           | Number of outbreaks   | County      | Unit Type | Location       | Latitude  | Longitude   | Start Date | End Date:  |
|---------------------------------|---|-------------|-----------|----------------|-----------|-------------|------------|------------|
| OREGON-other report - submitted | -   | Douglas     | Backyard  | Douglas County | 43.12     | -123.41     | 16/12/2014 | 26/03/2015 |
| Species                         | Measuring units   | Susceptible | Cases     | Deaths         | Destroyed | Slaughtered |            |            |
| Birds                           | Animals   | 130         | 28        | 28             | 102       | 0           |            |            |
| Affected Population             | The affected premises was a small backyard mixed flock of guinea fowl, chickens, ducks, and geese that were allowed access to the outdoors and regularly exposed to wild migratory waterfowl. |             |           |                |           |             |            |            |

| State                                    | Number of outbreaks                        | County      | Unit Type      | Location       | Latitude  | Longitude   | Start Date | End Date:  |
|--|--|-------------|----------------|----------------|-----------|-------------|------------|------------|
| WASHINGTON-other report - submitted      | -  | Whatcom     | Not applicable | Whatcom County | 48.854    | -122.4966   | 24/12/2014 | 24/03/2015 |
| Species                                  | Measuring units                            | Susceptible | Cases          | Deaths         | Destroyed | Slaughtered |            |            |
| American wigeon:Anatidae(Anas americana) | Animals                                    | ...         | ...            | ...            | ...       | ...         |            |            |
| Affected Population                      | Hunter harvested wild American wigeon duck |             |                |                |           |             |            |            |

| State                               | Number of outbreaks                | County      | Unit Type      | Location     | Latitude  | Longitude   | Start Date | End Date:  |
|-------------------------------------|------------------------------------|-------------|----------------|--------------|-----------|-------------|------------|------------|
| CALIFORNIA-other report - submitted | -                                  | Butte       | Not applicable | Butte County | 39.672    | -121.591    | 02/01/2015 | 02/04/2015 |
| Species                             | Measuring units                    | Susceptible | Cases          | Deaths       | Destroyed | Slaughtered |            |            |
| Gadwall:Anatidae(Anas strepera)     | Animals                            | ...         | ...            | ...          | ...       | ...         |            |            |
| Affected Population                 | Hunter harvested wild gadwall duck |             |                |              |           |             |            |            |

| State | Number of outbreaks | County | Unit Type | Location | Latitude | Longitude | Start Date | End Date: |
|-------|---------------------|--------|-----------|----------|----------|-----------|------------|-----------|
|-------|---------------------|--------|-----------|----------|----------|-----------|------------|-----------|

| State                                    | Number of outbreaks                         | County      |       | Unit Type      | Location     | Latitude    | Longitude | Start Date | End Date:  |
|--|---|-------------|-------|----------------|--------------|-------------|-----------|------------|------------|
| UTAH-other report - submitted            | -   | Davis       |       | Not applicable | Davis County | 40.999      | -111.929  | 09/01/2015 | 09/04/2015 |
| Species                                  | Measuring units                             | Susceptible | Cases | Deaths         | Destroyed    | Slaughtered |           |            |            |
| American wigeon:Anatidae(Anas americana) | Animals                                     | ...         | ...   | ...            | ...          | ...         | ...       | ...        | ...        |
| Affected Population                      | Hunter harvested wild American wigeon duck. |             |       |                |              |             |           |            |            |

| State   | Number of outbreaks                                    | County      |       | Unit Type      | Location    | Latitude    | Longitude | Start Date | End Date:  |
|---|--|-------------|-------|----------------|-------------|-------------|-----------|------------|------------|
| CALIFORNIA-other report - submitted           | -  | Yolo        |       | Not applicable | Yolo county | 38.72       | -121.933  | 09/01/2015 | 09/04/2015 |
| Species                                       | Measuring units  | Susceptible | Cases | Deaths         | Destroyed   | Slaughtered |           |            |            |
| Green-winged Teal:Anatidae(Anas carolinensis) | Animals  | ...         | ...   | ...            | ...         | ...         | ...       | ...        | ...        |
| Affected Population                           | Hunter harvested wild American green-winged teal duck. |             |       |                |             |             |           |            |            |

| State                                | Number of outbreaks                | County      |       | Unit Type      | Location       | Latitude    | Longitude | Start Date | End Date:  |
|--------------------------------------|------------------------------------|-------------|-------|----------------|----------------|-------------|-----------|------------|------------|
| IDAHO-other report - submitted       | -                                  | Gooding     |       | Not applicable | Gooding County | 42.932      | -114.807  | 16/01/2015 | 16/04/2015 |
| Species                              | Measuring units                    | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |            |
| Mallard:Anatidae(Anas platyrhynchos) | Animals                            | ...         | ...   | ...            | ...            | ...         | ...       | ...        | ...        |
| Affected Population                  | Hunter harvested wild mallard duck |             |       |                |                |             |           |            |            |

| State                               | Number of outbreaks   | County      |       | Unit Type | Location          | Latitude    | Longitude | Start Date | End Date: |
|-------------------------------------|---|-------------|-------|-----------|-------------------|-------------|-----------|------------|-----------|
| CALIFORNIA-other report - submitted | -   | Stanislaus  |       | Farm      | Stanislaus County | 37.552      | -120.985  | 19/01/2015 |           |
| Species                             | Measuring units   | Susceptible | Cases | Deaths    | Destroyed         | Slaughtered |           |            |           |
| Birds                               | Animals   | 145000      | ...   | 4500      | 140500            | 0           | ...       | ...        | ...       |
| Affected Population                 | A commercial turkey operation. Only one house of 9,000 birds on the facility was affected and showed increased mortality. |             |       |           |                   |             |           |            |           |

| State                                    | Number of outbreaks                         | County      |       | Unit Type      | Location     | Latitude    | Longitude | Start Date | End Date:  |
|--|---|-------------|-------|----------------|--------------|-------------|-----------|------------|------------|
| CALIFORNIA-other report - submitted      | -   | Butte       |       | Not applicable | Butte County | 39.6307     | -121.6376 | 23/01/2015 | 22/04/2015 |
| Species                                  | Measuring units                             | Susceptible | Cases | Deaths         | Destroyed    | Slaughtered |           |            |            |
| American wigeon:Anatidae(Anas americana) | Animals                                     | ...         | ...   | ...            | ...          | ...         | ...       | ...        | ...        |
| Affected Population                      | Hunter harvested wild American wigeon duck. |             |       |                |              |             |           |            |            |

| State                                   | Number of outbreaks    | County      |       | Unit Type      | Location        | Latitude    | Longitude | Start Date | End Date:  |
|---|------------------------|-------------|-------|----------------|-----------------|-------------|-----------|------------|------------|
| IDAHO-other report - submitted          | -                      | Kootenai    |       | Not applicable | Kootenai County | 47.717      | -116.729  | 29/01/2015 | 12/03/2015 |
| Species                                 | Measuring units        | Susceptible | Cases | Deaths         | Destroyed       | Slaughtered |           |            |            |
| Gyr Falcon:Falconidae(Falco rusticolus) | Animals                | ...         | ...   | ...            | ...             | ...         | ...       | ...        | ...        |
| Affected Population                     | Captive wild gyrfalcon |             |       |                |                 |             |           |            |            |

| State | Number of outbreaks | County |  | Unit Type | Location | Latitude | Longitude | Start Date | End Date: |
|-------|---------------------|--------|--|-----------|----------|----------|-----------|------------|-----------|
|-------|---------------------|--------|--|-----------|----------|----------|-----------|------------|-----------|

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| State                                | Number of outbreaks                | County      |       | Unit Type      | Location       | Latitude    | Longitude | Start Date | End Date: |
|--------------------------------------|------------------------------------|-------------|-------|----------------|----------------|-------------|-----------|------------|-----------|
| Species                              | Measuring units                    | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |           |
| NEVADA-other report - submitted      | -                                  | Lincoln     |       | Not applicable | Lincoln County | 37.673      | -114.7522 | 30/01/2015 |           |
| Species                              | Measuring units                    | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |           |
| Mallard:Anatidae(Anas platyrhynchos) | Animals                            | ...         | ...   | ...            | ...            | ...         | ...       | ...        | ...       |
| Affected Population                  | Hunter harvested wild mallard duck |             |       |                |                |             |           |            |           |

| State  | Number of outbreaks     | County       |       | Unit Type      | Location            | Latitude    | Longitude | Start Date | End Date: |
|--|-------------------------|--------------|-------|----------------|---------------------|-------------|-----------|------------|-----------|
| Species                                      | Measuring units         | Susceptible  | Cases | Deaths         | Destroyed           | Slaughtered |           |            |           |
| WASHINGTON-other report - submitted          | -                       | Grays Harbor |       | Not applicable | Grays Harbor County | 46.9632     | -123.607  | 02/02/2015 |           |
| Species                                      | Measuring units         | Susceptible  | Cases | Deaths         | Destroyed           | Slaughtered |           |            |           |
| Peregrin falcon:Falconidae(Falco peregrinus) | Animals                 | ...          | ...   | ...            | ...                 | ...         | ...       | ...        | ...       |
| Affected Population                          | Wild bird surveillance. |              |       |                |                     |             |           |            |           |

| State                               | Number of outbreaks                      | County      |       | Unit Type | Location     | Latitude    | Longitude | Start Date | End Date: |
|-------------------------------------|--|-------------|-------|-----------|--------------|-------------|-----------|------------|-----------|
| Species                             | Measuring units                          | Susceptible | Cases | Deaths    | Destroyed    | Slaughtered |           |            |           |
| CALIFORNIA-other report - submitted | -  | Kings       |       | Farm      | Kings County | 36.048      | -119.814  | 02/02/2015 |           |
| Species                             | Measuring units                          | Susceptible | Cases | Deaths    | Destroyed    | Slaughtered |           |            |           |
| Birds                               | Animals                                  | 114000      | ...   | ...       | 114000       | ...         | ...       | ...        | ...       |
| Affected Population                 | A commercial chicken and duck operation. |             |       |           |              |             |           |            |           |

| State                                    | Number of outbreaks                         | County      |       | Unit Type      | Location     | Latitude    | Longitude | Start Date | End Date: |
|--|---|-------------|-------|----------------|--------------|-------------|-----------|------------|-----------|
| Species                                  | Measuring units                             | Susceptible | Cases | Deaths         | Destroyed    | Slaughtered |           |            |           |
| WASHINGTON-other report - submitted      | -   | Clark       |       | Not applicable | Clark County | 45.8472     | -122.5021 | 02/02/2015 |           |
| Species                                  | Measuring units                             | Susceptible | Cases | Deaths         | Destroyed    | Slaughtered |           |            |           |
| American wigeon:Anatidae(Anas americana) | Animals                                     | ...         | ...   | ...            | ...          | ...         | ...       | ...        | ...       |
| Affected Population                      | Hunter harvested wild American wigeon duck. |             |       |                |              |             |           |            |           |

| State   | Number of outbreaks     | County      |       | Unit Type      | Location      | Latitude    | Longitude | Start Date | End Date: |
|---|-------------------------|-------------|-------|----------------|---------------|-------------|-----------|------------|-----------|
| Species   | Measuring units         | Susceptible | Cases | Deaths         | Destroyed     | Slaughtered |           |            |           |
| IDAHO-other report - submitted                    | -                       | Canyon      |       | Not applicable | Canyon County | 43.7038     | -116.8604 | 12/02/2015 |           |
| Species   | Measuring units         | Susceptible | Cases | Deaths         | Destroyed     | Slaughtered |           |            |           |
| Bald Eagle:Accipitridae(Haliaeetus leucocephalus) | Animals                 | ...         | ...   | ...            | ...           | ...         | ...       | ...        | ...       |
| Affected Population                               | Wild bird surveillance. |             |       |                |               |             |           |            |           |

| State                                | Number of outbreaks                 | County      |       | Unit Type      | Location        | Latitude    | Longitude | Start Date | End Date: |
|--------------------------------------|-------------------------------------|-------------|-------|----------------|-----------------|-------------|-----------|------------|-----------|
| Species                              | Measuring units                     | Susceptible | Cases | Deaths         | Destroyed       | Slaughtered |           |            |           |
| OREGON-other report - submitted      | -                                   | Columbia    |       | Not applicable | Columbia County | 46.0136     | -122.7496 | 23/02/2015 |           |
| Species                              | Measuring units                     | Susceptible | Cases | Deaths         | Destroyed       | Slaughtered |           |            |           |
| Mallard:Anatidae(Anas platyrhynchos) | Animals                             | ...         | ...   | ...            | ...             | ...         | ...       | ...        | ...       |
| Affected Population                  | Hunter harvested wild mallard duck. |             |       |                |                 |             |           |            |           |

| State | Number of outbreaks | County |  | Unit Type | Location | Latitude | Longitude | Start Date | End Date: |
|-------|---------------------|--------|--|-----------|----------|----------|-----------|------------|-----------|
|-------|---------------------|--------|--|-----------|----------|----------|-----------|------------|-----------|

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| State                                    | Number of outbreaks     | County      |       | Unit Type      | Location       | Latitude    | Longitude | Start Date | End Date: |
|--|-------------------------|-------------|-------|----------------|----------------|-------------|-----------|------------|-----------|
| Species                                  | Measuring units         | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |           |
| OREGON-other report - submitted          | -                       | Klamath     |       | Not applicable | Klamath County | 42.8641     | -121.9148 | 09/03/2015 |           |
| Species                                  | Measuring units         | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |           |
| American wigeon:Anatidae(Anas americana) | Animals                 | ...         | ...   | ...            | ...            | ...         |           |            |           |
| Affected Population                      | Wild bird surveillance. |             |       |                |                |             |           |            |           |

| State                                    | Number of outbreaks     | County      |       | Unit Type      | Location       | Latitude    | Longitude | Start Date | End Date: |
|--|-------------------------|-------------|-------|----------------|----------------|-------------|-----------|------------|-----------|
| Species                                  | Measuring units         | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |           |
| OREGON-other report - submitted          | -                       | Klamath     |       | Not applicable | Klamath County | 42.3233     | -121.6871 | 09/03/2015 |           |
| Species                                  | Measuring units         | Susceptible | Cases | Deaths         | Destroyed      | Slaughtered |           |            |           |
| Canada Goose:Anatidae(Branta canadensis) | Animals                 | ...         | ...   | ...            | ...            | ...         |           |            |           |
| Affected Population                      | Wild bird surveillance. |             |       |                |                |             |           |            |           |

| State                                    | Number of outbreaks    | County      |       | Unit Type      | Location      | Latitude    | Longitude | Start Date | End Date: |
|--|------------------------|-------------|-------|----------------|---------------|-------------|-----------|------------|-----------|
| Species                                  | Measuring units        | Susceptible | Cases | Deaths         | Destroyed     | Slaughtered |           |            |           |
| CALIFORNIA-other report - submitted      | -                      | Solano      |       | Not applicable | Solano County | 38.3101     | -121.9048 | 24/03/2015 |           |
| Species                                  | Measuring units        | Susceptible | Cases | Deaths         | Destroyed     | Slaughtered |           |            |           |
| American wigeon:Anatidae(Anas americana) | Animals                | ...         | ...   | ...            | ...           | ...         |           |            |           |
| Affected Population                      | Wild bird surveillance |             |       |                |               |             |           |            |           |

| State                                    | Number of outbreaks    | County      |       | Unit Type      | Location      | Latitude    | Longitude | Start Date | End Date: |
|--|------------------------|-------------|-------|----------------|---------------|-------------|-----------|------------|-----------|
| Species                                  | Measuring units        | Susceptible | Cases | Deaths         | Destroyed     | Slaughtered |           |            |           |
| CALIFORNIA-other report - submitted      | -                      | Colusa      |       | Not applicable | Colusa County | 39.1568     | -122.1705 | 24/03/2015 |           |
| Species                                  | Measuring units        | Susceptible | Cases | Deaths         | Destroyed     | Slaughtered |           |            |           |
| American wigeon:Anatidae(Anas americana) | Animals                | ...         | ...   | ...            | ...           | ...         |           |            |           |
| Affected Population                      | Wild bird surveillance |             |       |                |               |             |           |            |           |

**Outbreak summary: Total outbreaks = 20 (Submitted)**

| Species           | Susceptible | Cases | Deaths | Destroyed | Slaughtered |
|-------------------|-------------|-------|--------|-----------|-------------|
| Gyr Falcon        |             |       |        |           |             |
| Birds             | 259130      | 28    | 4528   | 254602    | 0           |
| American wigeon   |             |       |        |           |             |
| Gadwall           |             |       |        |           |             |
| Green-winged Teal |             |       |        |           |             |
| Mallard           |             |       |        |           |             |
| Peregrin falcon   |             |       |        |           |             |
| Bald Eagle        |             |       |        |           |             |
| Canada Goose      |             |       |        |           |             |

**Epidemiology**

**Epidemiological comments**

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|   |   |
|---|---|
| <b>Epidemiological comments</b>   |   |
| <b>Source of the outbreak(s) or origin of infection</b>   |   |
| <ul style="list-style-type: none"> <li>• Contact with wild species</li> </ul> <p>The USDA Animal and Plant Health Inspection Service (APHIS), in conjunction with State Departments of Agriculture and Wildlife, are continuing to conduct a comprehensive epidemiological investigation and enhanced surveillance (including wild bird surveillance of hunter harvested birds) in response to the HPAI H5N8 and H5N2 wild bird related events. Novel avian influenza virus of Eurasian origin (EA-H5N8 clade 2.3.4.4) spread rapidly along wild bird migratory pathways during 2014. Introduction of this EA-H5N8 virus into the Pacific Flyway sometime during 2014 has allowed mixing with North American (AM) lineage viruses and generated new combinations with genes from both EA and AM origin (or “reassortant” viruses) such as the EA/AM H5N2-reassortant detected in Canada and the US. These findings are not unexpected as the EA-H5N8 virus continues to circulate. The EA H5 clade 2.3.4.4 viruses are highly pathogenic for poultry.</p> <p>To date, all enhanced surveillance and testing for avian influenza around the affected premises has been negative for avian influenza.</p> |   |
| <b>Source of the outbreak(s) or origin of infection</b>   |   |
| <ul style="list-style-type: none"> <li>• Contact with wild species</li> </ul>   |   |
| <b>Measures applied</b>   |   |
| <b>Applied</b>  | <b>To be applied</b>  |
| <ul style="list-style-type: none"> <li>• quarantine</li> <li>• movement control inside the country</li> <li>• zoning</li> <li>• disinfection of infected premises/establishment(s)</li> <li>• modified stamping out</li> </ul>  | <ul style="list-style-type: none"> <li>• no planned control measures</li> </ul> |
| <b>Animals treated</b>  | <b>Vaccination Prohibited</b>   |
| No  | Yes   |
| <b>Future Reporting</b>   |   |
| The event is continuing. Weekly follow-up reports will be submitted.  |   |

## Outbreak maps

