



**West Nile Virus (WNV) Surveillance Summary Data—Idaho, 2003–2019**  
**Current season data found on**  
<http://westnile.idaho.gov>

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**Human Data:** WNV infections are reportable in Idaho. Reports are documented in the National Electronic Disease Surveillance (NEDSS) Base System (NBS). Cases are classified as neuroinvasive or non-neuroinvasive. Cases listed as neuroinvasive include the following categories found in NBS: meningitis, encephalitis, meningoencephalitis, polio-like syndrome, and neuroinvasive-other. Positive blood donors are reported by the American Red Cross or the Inland Blood Center.

**Veterinary Data:** Colleagues from the Idaho State Department of Agriculture and the Washington State University Animal Disease Diagnostic Laboratory provide BCDP Epidemiology with veterinary surveillance data.

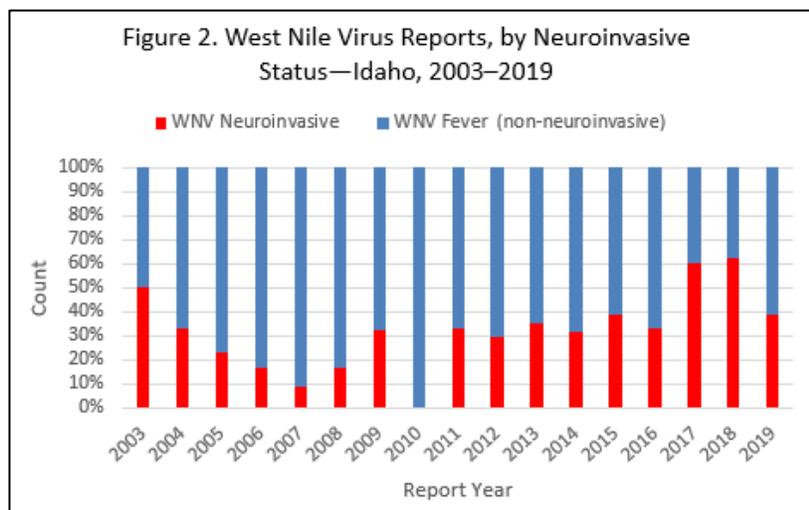
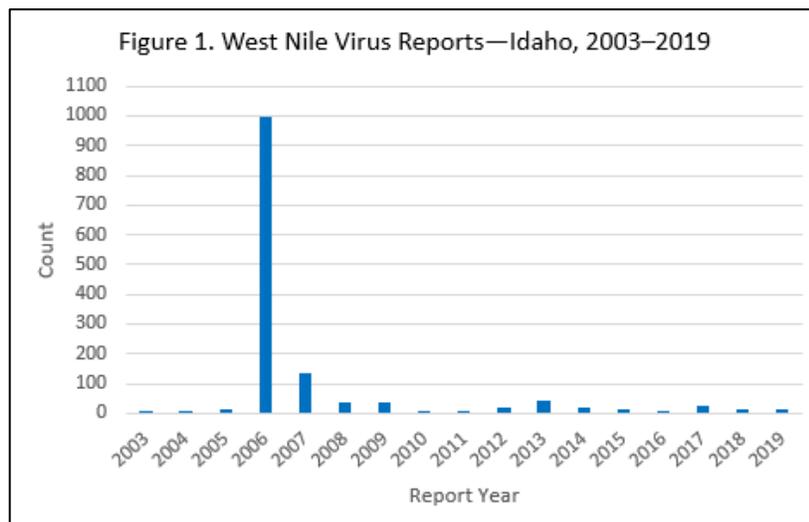
**Avian Data:** Avian surveillance is conducted by the Idaho Department of Fish and Game (IDFG) and Idaho Public Health Districts. Testing is conducted by IDFG and the Idaho Bureau of Laboratories.

**Mosquito Data:** Mosquito surveillance is conducted, through contractual agreement with selected mosquito abatement districts and Public Health Districts; participation varies from year to year. Not all counties in Idaho conduct mosquito surveillance or mosquito control.

**Brief Idaho West Nile Virus Surveillance Summary: 2003–2019**

West Nile virus (WNV) infections became reportable in Idaho in 2004. In 2017 infections with any **arbovirus** (insect-borne virus [tick, mosquito, flea]) including, but not limited to WNV, St. Louis encephalitis virus, and Colorado tick fever virus became reportable in Idaho (<https://adminrules.idaho.gov/rules/current/16/160210.pdf>). This document focuses on WNV clinical and environmental surveillance data collected in Idaho from 2003 through 2019.

WNV was first detected in Idaho in 2003 in alligators imported into south central Idaho from Florida. At that time WNV was already considered endemic in Florida, and alligators are considered a susceptible species. The first indication of local (mosquito-borne) transmission of WNV in Idaho did not come until 2004 in southwestern Idaho, with the detection of positive human cases with no travel history outside of the state. Emergence and establishment of the virus in Idaho was likely associated with the influx of infected migratory birds, rather than the alligators, and exposure to and subsequent transmission of the virus by local mosquito populations to other animals and people. WNV cases occur seasonally, correlating with the appearance of mosquito species capable of transmitting the virus.

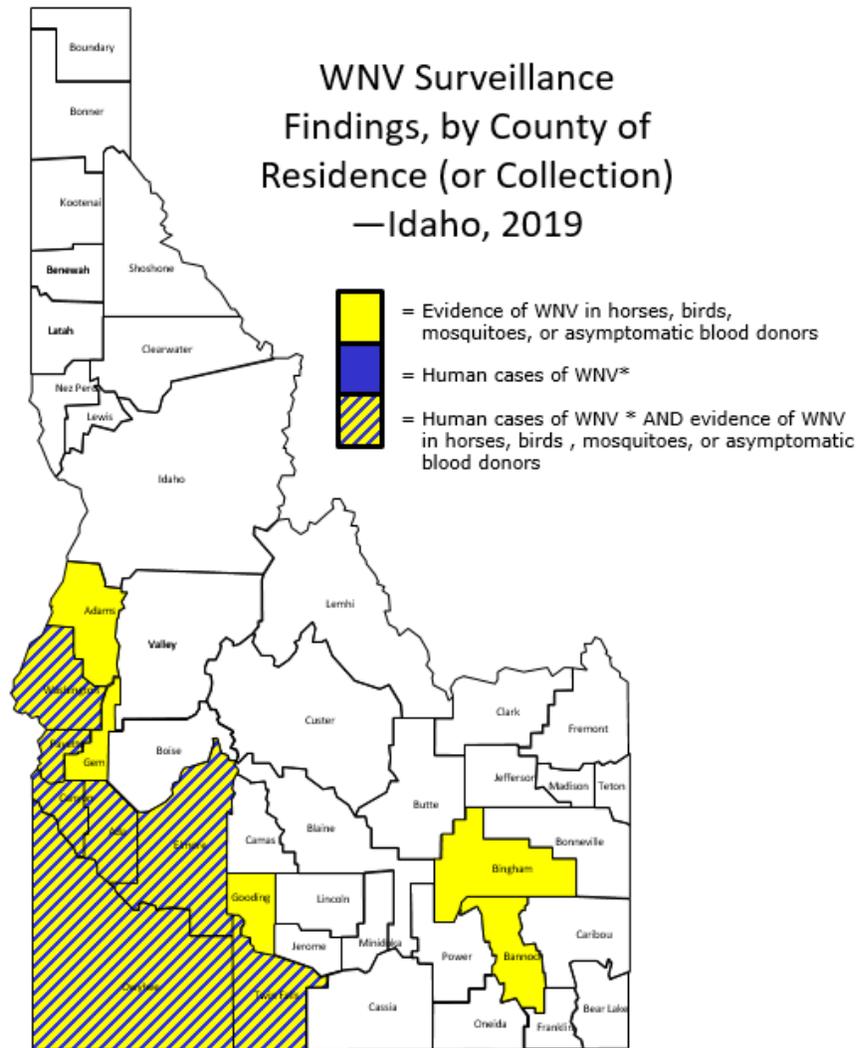


Between 2003 and 2019, 1,382 human cases of WNV (imported and locally-acquired) were reported in Idaho (Figure 1). In 2006, Idaho experienced a very large increase in reported cases, which declined in number significantly after that year likely due to increasing immunity in the population and the adoption of personal protection (use of insect repellent, etc) to avoid mosquito bites. Figure 2 displays the annual variation in neuroinvasive and nonneuroinvasive disease reports; 19.5% of cases were classified as neuroinvasive and 80.5% were classified as milder West Nile fever. There is general upward trend in reports of neuroinvasive disease since 2007; this is considered most likely associated with fewer people seeking medical care for milder febrile illness rather than an increase in severe disease. From 2003 through 2019, 30 deaths were attributed to WNV infection.

To learn more about WNV in Idaho visit <http://westnile.idaho.gov>. To learn more about national surveillance efforts, visit the CDC web page at <https://www.cdc.gov/westnile/>.

## 2019 WEST NILE VIRUS\* SURVEILLANCE SUMMARY

- Total reported symptomatic WNV cases: **13**
- West Nile virus-related deaths: **0**
- Presumptive viremic blood donors†: **6**
- Total reported positive horses/other mammals: **3**
- Total reported positive birds: **0**
- Counties reporting positive WNV mosquitoes: **11**
- Counties reporting positive WNV surveillance findings, all types: **12**



\* symptomatic cases  
 † county-specific surveillance activities may not be countywide

Updated 1/3/2020



\*West Nile virus = WNV

WNV- Positive Surveillance Findings, by County of Residence (or Collection), and Event Date—Idaho, 2019

Counties	Humans: Fever	Humans: Neuroinvasive	Animals laboratory test-positive (Diagnosis Date)	Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Ada	1	1			8/6/2019, 8/16, 8/23, 8/30, 9/3, 9/5, 9/6, 9/10
Adams					7/30/2019
Bannock				1	
Bear Lake					
Benewah					
Bingham					8/30/2019
Blaine					
Boise					
Bonner					
Bonneville					
Boundary					
Butte					
Camas					
Canyon	1		1 horse (8/9/2019)		6/14/2019, 6/26 7/3, 7/9, 7/10, 7/18, 8/7, 8/8, 8/20, 8/21, 9/4
Caribou					
Cassia					
Clark					
Clearwater					
Custer					



Counties	Humans: Fever	Humans: Neuroinvasive	Animals laboratory test-positive (Diagnosis Date)	Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Elmore		1			6/26/2019, 7/31, 8/7, 8/21
Franklin					
Fremont					
Gem					7/9/2019, 7/16, 7/23, 8/6, 8/14, 8/21, 9/11
Gooding					7/22/2019, 8/28
Idaho					
Jefferson					
Jerome					
Kootenai					
Latah					
Lemhi					
Lewis					
Lincoln					
Madison					
Minidoka					
Nez Perce					
Oneida					
Owyhee	2	1			7/16/2019
Payette	1		1 donkey (7/26/2019)	1	7/29/2019, 8/27
Power					
Shoshone					
Teton					
Twin Falls	1		1 horse 8/23/2019	2	6/24/2019, 8/14, 8/28
Valley					



Counties	Humans: Fever	Humans: Neuroinvasive	Animals laboratory test-positive (Diagnosis Date)	Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Washington	2	2		2	7/31/2019
<b>12</b> Total counties with WNV activity	<b>8</b> Total WN fever	<b>5</b> Total WN neuroinvasive disease	<b>3</b> Total positive animals	<b>6</b> Blood donors reported by the Red Cross ( <b>3 remained asymptomatic</b> )	<b>11</b> Total counties with positive mosquito pools
<p>The data presented are (1) <i>provisional</i>, (2) <i>only</i> confirmed or probable symptomatic infections, (3) presumptive viremic blood donors identified by the American Red Cross and, (4) <i>only</i> Idaho residents.</p> <p>† The American Red Cross and other blood banks routinely screen all donated blood for a variety of infectious agents in accordance with FDA protocols; WNV is included in such screening activities. All donated blood determined positive for WNV is discarded. Note, according to CDC approximately 20% of viremic blood donors wind up being symptomatic.</p> <p>Every attempt is made to assure the accuracy of the information presented on the map and in the table. Numbers and dates presented here may change, based on completed investigations.</p> <p>‡Positive mosquito pools are noted by collection date; testing takes several days before results are available.</p> <p>Mosquito surveillance is not done statewide. Idaho taxing districts for mosquito abatement districts are shown in the link: <a href="https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf">https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf</a> A subset of these counties conducts WNV testing of mosquitoes during the summer months through either a state or commercial agreement for surveillance. Participating counties include the following: Ada, Adams, Bannock, Bingham, Boundary, Canyon, Elmore, Franklin, Bear Lake, Gem, Jefferson, Owyhee, Payette, Power, Teton, Twin Falls, and Washington.</p>					

## **2018 WEST NILE VIRUS\* SURVEILLANCE SUMMARY**

- Total reported symptomatic WNV cases: **16**
- West Nile virus-related deaths: **1**
- Asymptomatic presumptive viremic blood donors†: **0**
- Total reported positive horses/other mammals: **5 horses**
- Total reported positive birds: **0**
- Counties reporting positive WNV mosquitoes: **11**
- Counties reporting positive WNV surveillance findings, all types:  
**18**





Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Animals (laboratory test- positive) (Diagnosis Date)	Asymptomatic Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Ada		2 Early August, late October			8/1/2018, 8/2, 8/7, 8/8, 8/17, 8/21, 8/23, 8/31, 9/13
Adams					7/26/2018
Bannock	1 Late July (not locally- acquired)				
Bear Lake					
Benewah					
Bingham			9/28/2018 1 horse		7/20/2018, 7/24, 8/7
Blaine					
Boise					
Bonner					
Bonneville					
Boundary					
Butte					
Camas					
Canyon		1 Mid-July 1 Mid-September	8/31/2018 1 horse		6/8/2018, 7/19, 7/20, 7/25, 7/31, 8/1, 8/2, 8/20, 8/24
Caribou					
Cassia					
Clark			8/24/2018 1 horse		
Clearwater					
Custer					



Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Animals (laboratory test- positive) (Diagnosis Date)	Asymptomatic Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Elmore					7/11/2018, 7/18, 7/20, 7/27, 8/1, 8/15, 8/23, 8/29
Franklin					
Fremont					
Gem	1 Early August				7/2/2018, 7/16, 7/30
Gooding	1 Mid- September				7/9/2018
Idaho					
Jefferson					
Jerome			8/27/2018 1 horse		
Kootenai					
Latah					
Lemhi		1 Mid-August (not locally- acquired)			
Lewis					
Lincoln	1 Early August	1 Late August			
Madison					
Minidoka					
Nez Perce					
Oneida					
Owyhee		1 Mid-August	7/26/2018 1 horse		7/10/2018



Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Animals (laboratory test- positive) (Diagnosis Date)	Asymptomatic Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Payette					6/26/2018, 7/23, 8/21, 8/27, 9/4
Power					7/18/2018
Shoshone					
Teton	1 mid-August (not locally- acquired)				
Twin Falls		1 Early September			8/8/2018, 8/20, 10/5
Valley					
Washington	1 Mid- September	1 Early August  1 Mid-April			
<b>18</b> Total counties with WNV activity	<b>6</b> Total WN fever	<b>10</b> Total WN neuroinvasive disease	<b>5</b> Total positive animals	<b>0</b> Asymptomatic blood donors reported by the Red Cross	<b>11</b> Total counties with positive mosquito pools

The data presented are (1) *provisional*, (2) *only* confirmed or probable symptomatic infections, (3) asymptomatic presumptive viremic blood donors identified by the American Red Cross and, (4) *only* Idaho residents.

† The American Red Cross and other blood banks routinely screen all donated blood for a variety of infectious agents in accordance with FDA protocols; WNV is included in such screening activities. All donated blood determined positive for WNV is discarded.

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‡Positive mosquito pools are noted by collection date; testing takes several days before results are available.

Mosquito surveillance is not done statewide.

Idaho taxing districts for mosquito abatement districts are shown in the link:

[https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito\\_Abatement/Mosquito\\_Abatement.pdf](https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf)

A subset of these counties conducts WNV testing of mosquitoes during the summer months through either a state or commercial agreement for surveillance. Participating counties include the following: Ada, Adams, Bannock, Bingham,



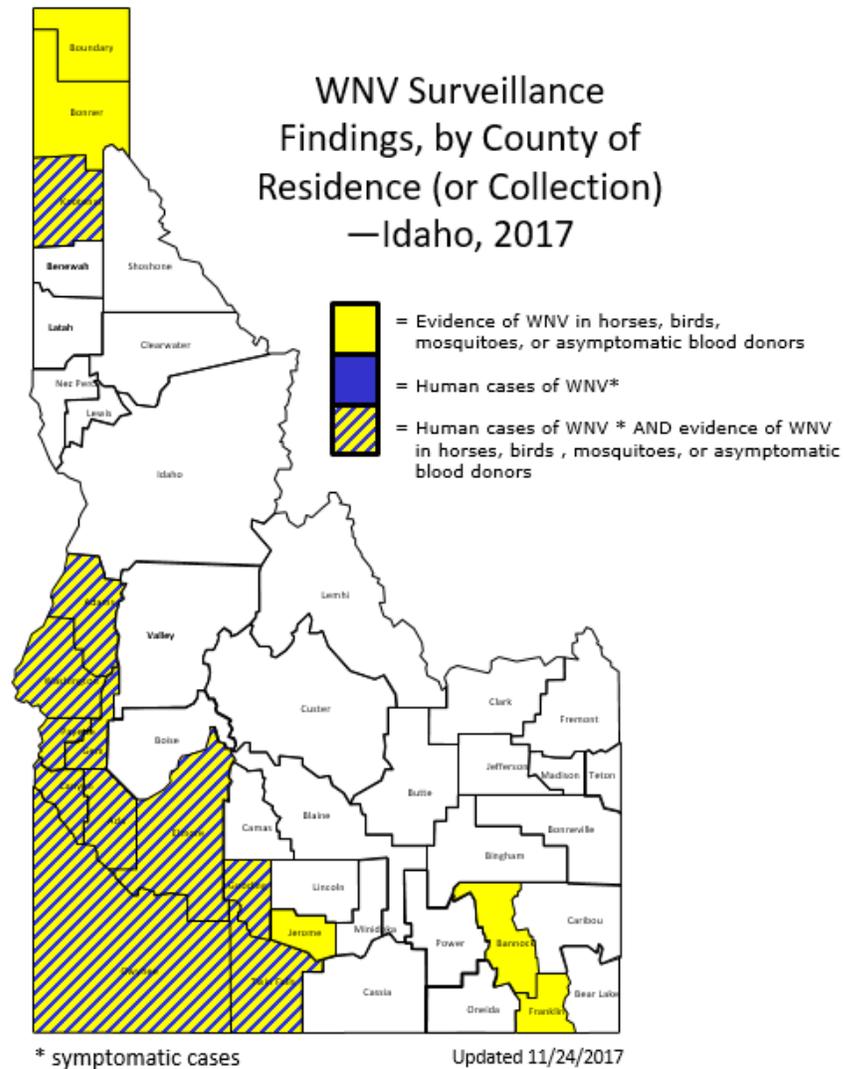
Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Animals (laboratory test- positive) (Diagnosis Date)	Asymptomatic Blood Donors†	Positive Mosquito Pools, by <b>first positive collection date</b> ‡, additional positive collection dates listed
Boundary, Canyon, Elmore, Franklin, Bear Lake, Gem, Jefferson, Owyhee, Payette, Power, Teton, Twin Falls, and Washington.					



## 2017 WEST NILE VIRUS\* SURVEILLANCE SUMMARY

- Total reported symptomatic WNV cases: **25**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors†: **7**
- Total reported positive horses/other mammals: **8**
- Total reported positive birds: **3**
- Counties reporting positive WNV mosquitoes: **13**
- Counties reporting positive WNV surveillance findings, all types: **16**

\*West Nile virus = WNV



WNV- Positive Surveillance Findings, by County of Residence (or Collection), and Event Date—Idaho, 2017

Counties	Humans: Fever (Onset Date)	Humans: Neuroinvasive (Onset Date)	Animals (laboratory test- positive) (Diagnosis Date)	Asymptomatic Blood Donors†	Positive Mosquito Pools, by collection date‡
<b>Ada</b>	3 8/9/2017, 8/17, 9/17	5 8/23, 8/29, 9/13, 9/19, ~11/3	Horse, 8/29/2017 Crow, 9/15/2017	2 9/5/2017, 10/2	7/13/2017 (2), 7/19, 7/26 (2), 7/29, 8/3 (2), 8/4, 8/8, 8/9 (2), 8/10 (4), 8/11 (7), 8/15 (3), 8/16, 8/17, 8/18 (3), 8/23, 8/25 (3), 8/29 (4), 8/30, 8/31 (2), 9/5 (2), 9/7 (2), 9/8 (3), 9/12 (2)
<b>Adams</b>	1 8/23/2017			<b>2</b> 9/25/2017 (2)	7/26/2017
<b>Bannock</b>			Llama, 7/6/2017		5/31/2017, 6/22, 6/27, 6/29(2), 7/12 (3), 7/13 (2)
Bear Lake					
Benewah					
Bingham					
Blaine					
Boise					
<b>Bonner</b>			Horse, 8/18/2017		
Bonneville					
<b>Boundary</b>			Horse, 9/22/2017		7/27/2017
Butte					
Camas					
<b>Canyon</b>	1 9/9/2017	1 9/16/2017		<b>1</b> 9/6/2017	6/21/2017, 6/29, 7/4, 7/5, 7/14, 7/19, 7/27 (2),

					8/3 (2), 8/16, 8/24
Caribou					
Cassia					
Clark					
Clearwater					
Custer					
Elmore		1 9/8/2017			7/19/2017 (3), 7/26, 8/11 (10), 8/16
Franklin					9/7/2017
Fremont					
Gem		3 8/23/2017, 9/1, 9/12			7/10/2017 (3), 7/24 (2), 8/7 (3), 8/14 (2), 8/21 (4), 8/28 (2)
Gooding	1 8/21/2017	1 9/1/2017			7/25/2017, 8/3
Idaho					
Jefferson					
Jerome			Horse, 9/14/2017	1 9/7/2017	
Kootenai		1 7/14/2017	Horse, 9/29/2017		
Latah					
Lemhi					
Lewis					
Lincoln					
Madison					
Minidoka					
Nez Perce					
Oneida					
Owyhee		1 8/1/2017	Owl, 8/28/2017 Horse, 9/15/2017		7/11/2017 (2)
Payette	1 8/8/2017	1 8/18/2017	Horse, 8/10/2017 Bald eagle, 9/13/2017		6/20/2017, 7/19, 7/25 (3), 8/28 (2)



Power					
Shoshone					
Teton					
<b>Twin Falls</b>	1 8/28/2017			1 9/12/2017	8/3/2017
Valley					
<b>Washington</b>	2 8/25/2017, 8/25	1 8/10/2017			7/17/2017
<b>Totals:</b>	<b>10</b>	<b>15</b>	<b>11</b>	<b>7</b>	<b>13</b>
<b>16</b> Total counties with local WNV activity	Humans reported with WN fever	Humans reported with WN neuroinvasive disease	Animals reported with laboratory detected WNV infection	Asymptomatic blood donors reported by the Red Cross	Counties where mosquito pools were detected by mosquito abatement districts or PHDs

The data presented are (1) *provisional*, (2) *only* confirmed or probable symptomatic infections, (3) asymptomatic presumptive viremic blood donors identified by the American Red Cross and, (4) *only* Idaho residents.

† The American Red Cross and other blood banks routinely screen all donated blood for a variety of infectious agents in accordance with FDA protocols; WNV is included in such screening activities. All donated blood determined positive for WNV is discarded.

Every attempt is made to assure the accuracy of the information presented on the map and in the table. Numbers and dates presented here may change, based on completed investigations.

‡Positive mosquito pools are noted by collection date; testing takes several days after collection before results are available.

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Idaho taxing districts for mosquito abatement districts are shown in the link:

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A subset of these counties conduct WNV testing of mosquitoes during the summer months through either a state or commercial agreement for surveillance. Participating counties include the following: Ada, Adams, Bannock, Bingham, Boundary, Canyon, Elmore, Franklin, Bear Lake, Gem, Jefferson, Owyhee, Payette, Power, Teton, Twin Falls, and Washington.

## **2016 WNV SURVEILLANCE SUMMARY**

- Total reported symptomatic WNV cases: **9**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors†: **2**
- Total reported positive horses: **10**
- Other species: **0**
- Counties reporting positive mosquitoes: **10**
- Total positive counties reporting local transmission: **15**





					collection dates listed
Ada				7/26/2016	7/26/2016, 8/4, 8/17, 8/25, 8/30, 9/1, 9/7, 9/8, 9/13
Adams					
Bannock					7/29/2016, 8/3, 8/4
Bear Lake					
Benewah					
Bingham					7/25/2016
Blaine					
Boise					
Bonner			8/27/2016, 9/13 (2 horses)		
Bonneville					
Boundary			8/12/2016, 9/7, 9/15, 9/20 (4 horses)		
Butte					
Camas					
Canyon	2 8/12/2016, 11/13/2016	1 8/11/2016			6/28/2016, 6/29, 7/7, 7/19, 7/28
Caribou					
Cassia					
Clark					
Clearwater					
Custer					
Elmore	2 7/21/2016, 8/15/2016			8/1/2016	
Franklin					
Fremont					
Gem					7/6/2016,



					7/6 (outside MAD), 7/19, 7/25, 8/16. 8/23. 8/30
Gooding			9/9/2016 (1 horse)		
Idaho					
Jefferson					9/8/2016
Jerome					
Kootenai			9/23/2016 (1 horse)		
Latah					
Lemhi					
Lewis		1 8/3/2016 (acquired out of state)			
Lincoln					
Madison					
Minidoka					
Nez Perce					
Oneida					
Owyhee		1 8/23/2016			7/15/2016
Payette	2 8/12/2016, 8/16/2016		8/3/2016, 8/17 (2 horses)		6/27/2016, 7/18, 8/1, 8/8, 8/22, 8/30
Power					
Shoshone					
Teton					
Twin Falls					8/3/2016, 8/17, 8/30
Valley					8/3/2016
Washington					
<b>Totals:</b> <b>15</b> Total counties with	<b>6</b> Humans reported with WN fever	<b>3</b> Humans reported with	<b>10</b> Animals reported with WNV infections	<b>2</b> Asymptomatic	<b>10</b> Counties where +mosquito pools were detected by



local WNV activity		WN neuroinvasive disease		blood donors reported by the Red Cross	mosquito abatement districts or PHDs
<p>The data presented are (1) <i>provisional</i>, (2) <i>only</i> confirmed or probable symptomatic infections, (3) asymptomatic presumptive viremic blood donors identified by the American Red Cross and, (4) <i>only</i> Idaho residents.</p> <p>† The American Red Cross routinely screens all donated blood for a variety of infectious agents, including WNV. All donated blood determined positive for WNV is discarded.</p> <p>Every attempt is made to assure the accuracy of the information presented on the map and in the table. Numbers and dates presented here may change, based on completed investigations.</p> <p>†Positive mosquito pools are noted by collection date; testing takes several days before results are available. Most mosquito abatement districts do not cover the entire county. To learn more, visit the link to 2016 Idaho Mosquito Abatement taxing districts:  <a href="https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf">https://tax.idaho.gov/ptt/gis/2016TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf</a></p>					

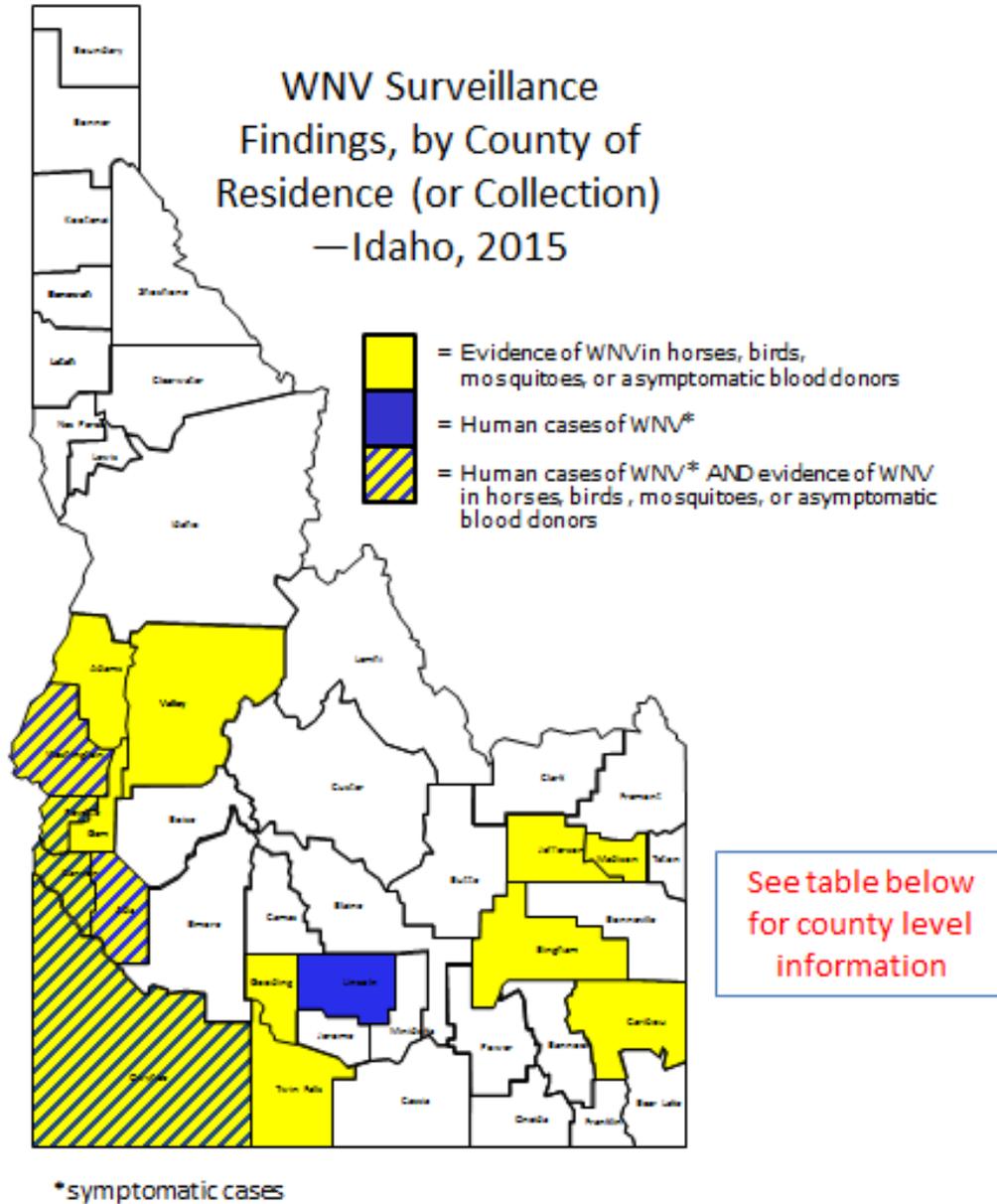
Quick summary of WNV cases—Idaho, 2016*				
Case count	Onset Date Range	Sex	Age	Deaths
9 (3 neuroinvasive)	7/21/2016 to 11/13/2016	M (67%)	Mean = 44 y (range 12y to 68 y)	0

\*as of 1/13/2017



## 2015 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **13**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors†: **6**
- Total reported positive counties: **15**



See table below for county level information

WNV- Positive Surveillance Findings, by County of Residence  
(or Collection), and Event Date—Idaho, 2015

<b>Counties</b>	<b>Humans: Fever (Onset Date)</b>	<b>Humans: Neuroinvasive (Onset Date)</b>	<b>Horses/other mammals (Diagnosis Date)</b>	<b>Asymptomatic Blood Donors†</b>	<b>Positive Mosquito Pools, by first positive</b>	<b>Positive birds</b>
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					collection date†	
Ada	1 8/15			2	Positive 7/8	
Adams					Positive 7/24	
Bannock						
Bear Lake						
Benewah						
Bingham				1	Positive 7/13	
Blaine						
Boise						
Bonner						
Bonneville						
Boundary						
Butte						
Camas						
Canyon	4 7/10, 7/31, 8/31, 9/1				Positive 6/22	
Caribou				1		
Cassia						
Clark						
Clearwater						
Custer						
Elmore						
Franklin						
Fremont						
Gem			1 horse 8/26		Positive 6/22	
Gooding			1 horse 8/18			
Idaho						



Jefferson			1 mule 9/15			
Jerome						
Kootenai						
Latah						
Lemhi						
Lewis						
Lincoln	1 9/18	1 7/23				
Madison			1 horse 9/24			
Minidoka						
Nez Perce						
Oneida						
Owyhee		1 7/26			Positive 7/6	
Payette		2 7/10, 8/8			Positive 7/7	
Power						
Shoshone						
Teton						
Twin Falls				1	Positive 8/18	
Valley				1	Positive 7/23	
Washington	2 6/30, 9/4	1 8/20	1 horse 7/23		Positive 6/30	
<b>Totals:</b> <b>15</b> Total counties with reported WNV activity	<b>8</b> Humans reported with WN fever	<b>5</b> Humans reported with WN neuroinvasive disease	<b>5</b> Animals reported with WNV infections (4 horses, 1 mule)	<b>6</b> Asymptomatic blood donors reported by the Red Cross	<b>9</b> Counties where + mosq. pools were detected by mosq. abatement districts or PHD	<b>0</b> Positive birds



The data presented are (1) *provisional*, (2) *only* confirmed or probable symptomatic infections, (3) asymptomatic presumptive viremic blood donors identified by the American Red Cross and, (4) *only* Idaho residents.

† The American Red Cross routinely screens all donated blood for a variety of infectious agents, including WNV. All donated blood determined positive for WNV is discarded.

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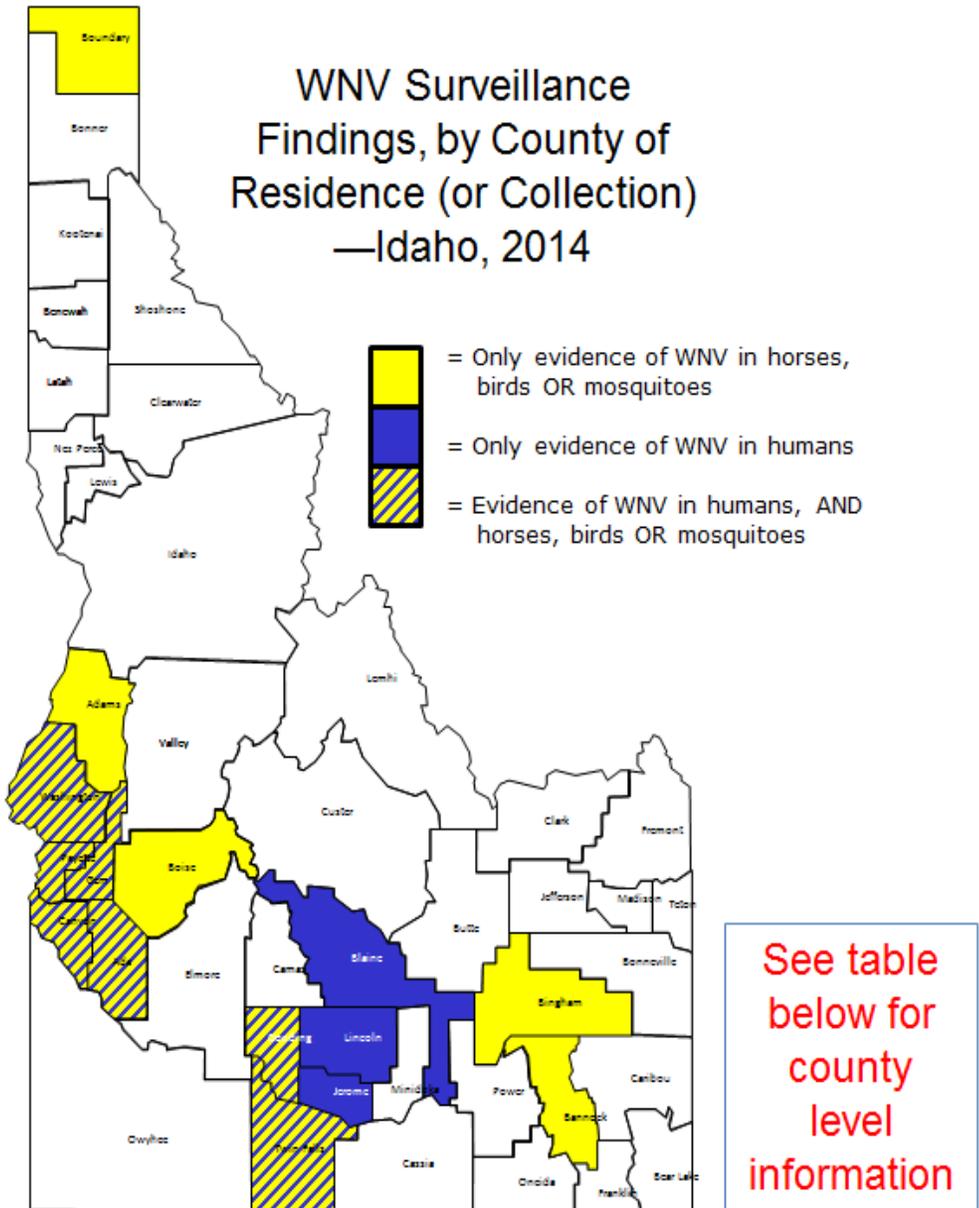
† Positive mosquito pools are noted by collection date; testing takes several days before results are available. Most mosquito abatement districts do not cover the entire county. To learn more, visit the link to 2015 Idaho Mosquito Abatement taxing districts:

[http://tax.idaho.gov/ptt/gis/2015TaxDistricts/Mosquito\\_Abatement/Mosquito\\_Abatement.pdf](http://tax.idaho.gov/ptt/gis/2015TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf)



## 2014 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **19**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors: **0**
- Total reported positive counties: **15**



WNV- Positive Surveillance Findings,  
by County of Residence (or Collection), and Event Date—Idaho, 2014\*

Counties	Humans Fever (Onset Date)	Humans Neuroinvasive (Onset Date)	Horses/other mammals (Diagnosis Date)	Birds (Diagnosis Date)	Positive Mosquito Pools, by collection date†
Ada	1	1	1	0	Positive
Adams	0	0	0	0	Positive
Bannock	0	0	1	0	0
Bear Lake	0	0	0	0	0
Benewah	0	0	0	0	0
Bingham	0	0	0	0	Positive
Blaine	1	0	0	0	0
Boise	0	0	1	0	0
Bonner	0	0	0	0	0
Bonneville	0	0	0	0	0
Boundary	0	0	0	0	Positive
Butte	0	0	0	0	0
Camas	0	0	0	0	0
Canyon	0	1	0	0	Positive
Caribou	0	0	0	0	0
Cassia	0	0	0	0	0
Clark	0	0	0	0	0
Clearwater	0	0	0	0	0
Custer	0	0	0	0	0
Elmore	0	0	0	0	0
Franklin	0	0	0	0	0
Fremont	0	0	0	0	0
Gem	2	0	0	0	Positive
Gooding	2	1	1	0	0
Idaho	0	0	0	0	0
Jefferson	0	0	0	0	0

Jerome	1	0	0	0	0
Kootenai	0	0	0	0	0
Latah	0	0	0	0	0
Lemhi	0	0	0	0	0
Lewis	0	0	0	0	0
Lincoln	4	0	0	0	0
Madison	0	0	0	0	0
Minidoka	0	0	0	0	0
Nez Perce	0	0	0	0	0
Oneida	0	0	0	0	0
Owyhee	0	0	0	0	0
Payette	0	1	0	0	Positive
Power	0	0	0	0	0
Shoshone	0	0	0	0	0
Teton	0	0	0	0	0
Twin Falls	1	0	0	0	Positive
Valley	0	0	0	0	0
Washington	1	2	2	0	0
<b>Totals</b>	<b>13</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>8 counties</b>
Total Reported Cases: <u>19</u> Total Reported Positive Counties: <u>15</u>					
*The data presented are (1) <i>provisional</i> , (2) <i>only</i> confirmed or probable symptomatic infections and (3) <i>only</i> reflects Idaho residents. Every attempt is made to assure the accuracy of the information presented in the table. Numbers and dates presented here may change, based on completed investigations.					
West Nile virus-related deaths: <u>0</u> Positive blood donors: <u>0</u>					
†Positive mosquito pools are noted by collection date; testing takes several days before results are available. Most mosquito abatement districts do not cover the entire county. To learn more, visit the link to 2013 Idaho Mosquito Abatement taxing districts: <a href="http://tax.idaho.gov/ptt/gis/2013TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf">http://tax.idaho.gov/ptt/gis/2013TaxDistricts/Mosquito_Abatement/Mosquito_Abatement.pdf</a>					

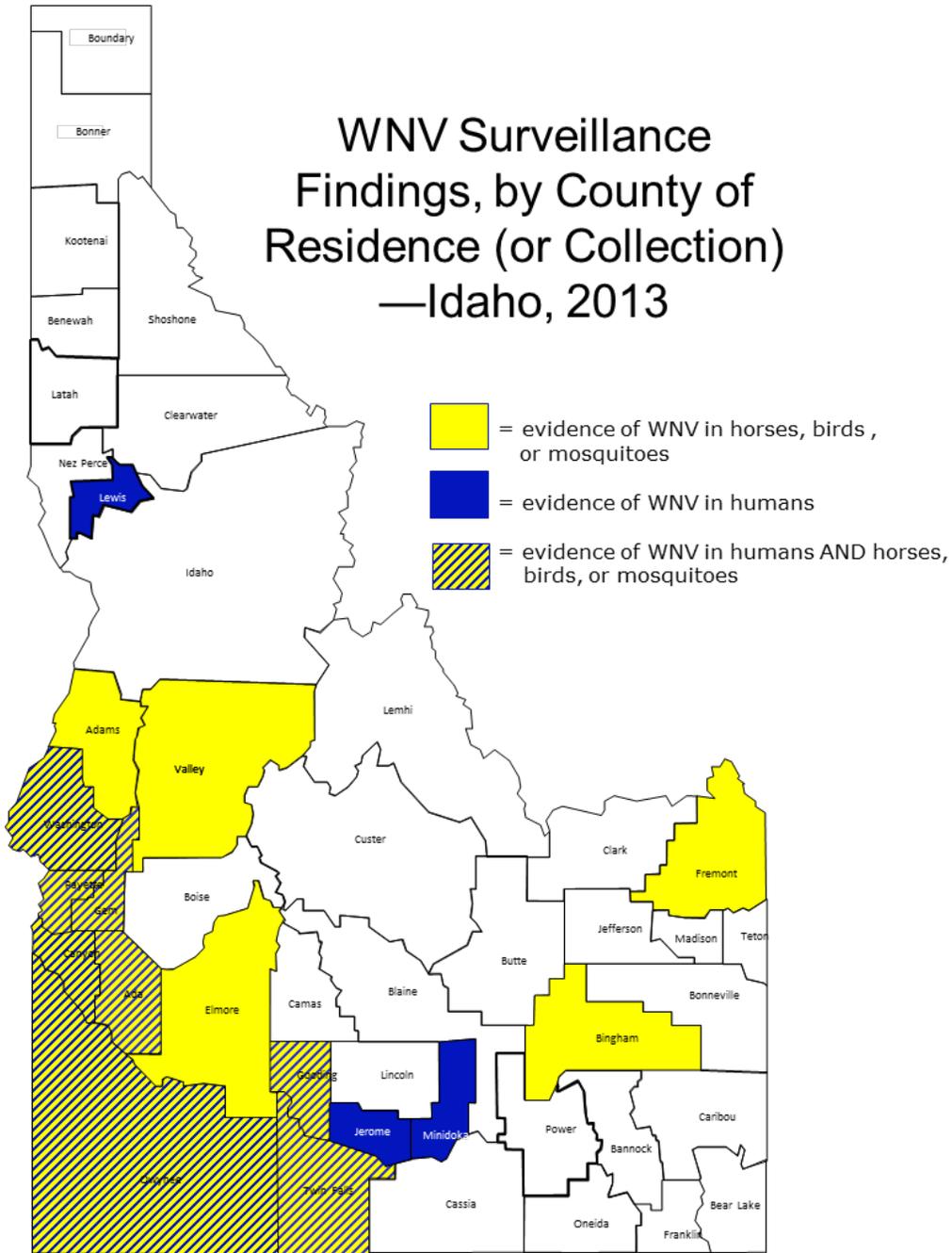
Last reviewed 3/10/2015

## **2013 WNV SURVEILLANCE SUMMARY: FINAL**

- Total reported symptomatic WNV cases: **40**
- West Nile virus-related deaths: **2**
- Asymptomatic presumptive viremic blood donors: **12**
- Total reported positive counties: **16**



# WNV Surveillance Findings, by County of Residence (or Collection) —Idaho, 2013



Lewis County case exposed in Canyon County



WNV Surveillance Findings, by County—Idaho, 2013

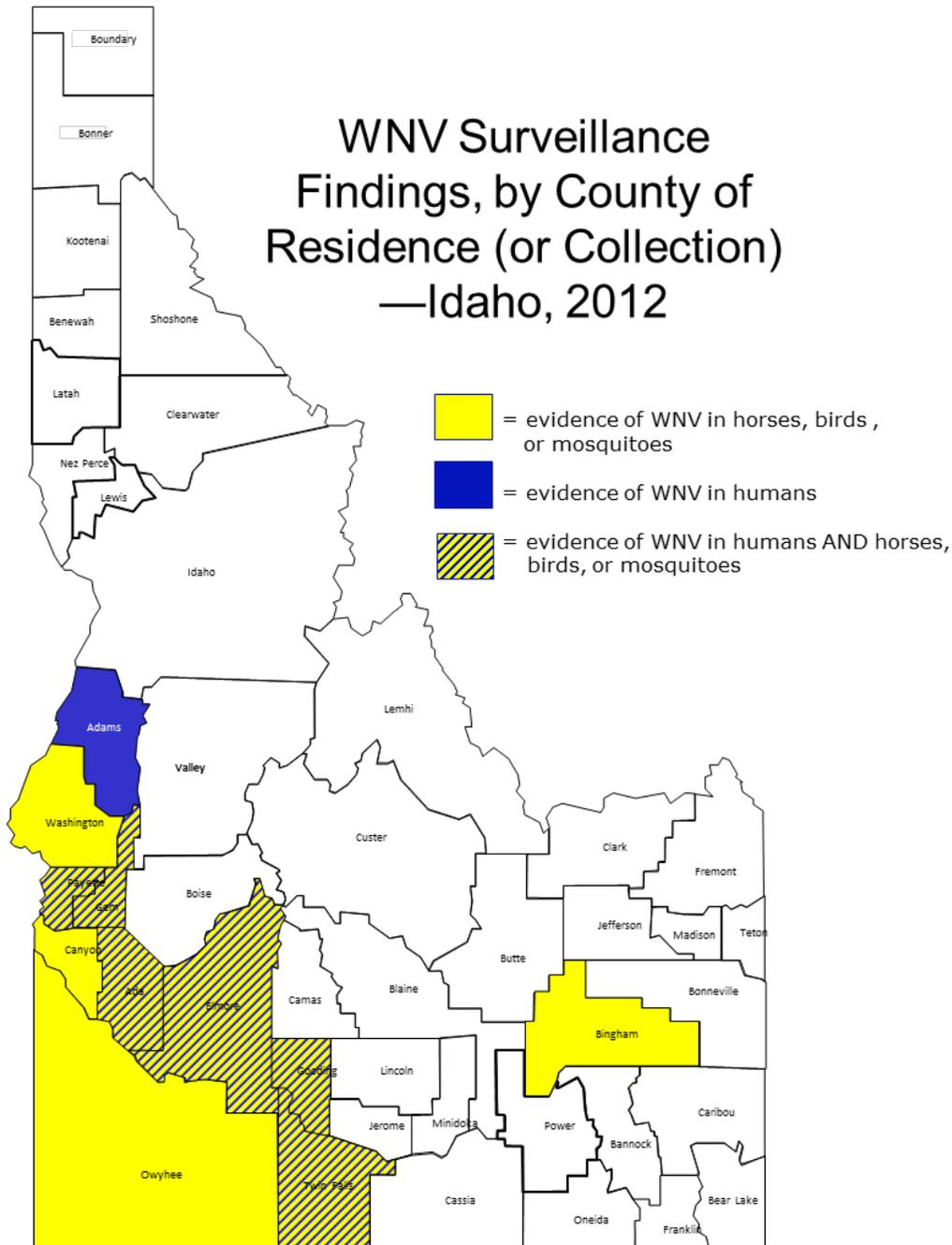
Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	7	0	1	-	Positive
Adams	0	0	-	-	Positive
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	6	8	5	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	Positive
Franklin	0	0	-	-	-
Fremont	0	0	1	-	-
Gem	0	1	1	-	Positive
Gooding	1	1	-	-	Positive
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	1	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-



Lemhi	0	0	-	-	-
Lewis	0	1	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	1	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	1	1	1	-	Positive
Payette	4	1	-	-	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	2	1	-	-	Positive
Valley	0	0	1	-	Positive
Washington	3	0	-	-	Positive
Totals	26	14	10	0	12
As of 1/24/2014: Total reported cases: <b>40</b>					
Total positive counties: <b>16</b>					
The data presented include <i>only</i> confirmed or probable symptomatic infections and <i>only</i> reflects Idaho residents. Every attempt is made to assure the accuracy of the information presented in the table. Numbers and dates presented here may change, based on completed investigations.					
West Nile virus-related deaths: <b>2</b> (included in totals shown in table)					
Blood donors: <b>12</b> (10 asymptomatic donors not in table)					

## 2012 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: 17
- West Nile virus-related deaths: 0
- Asymptomatic presumptive viremic blood donors: 2
- Total reported positive counties: 11



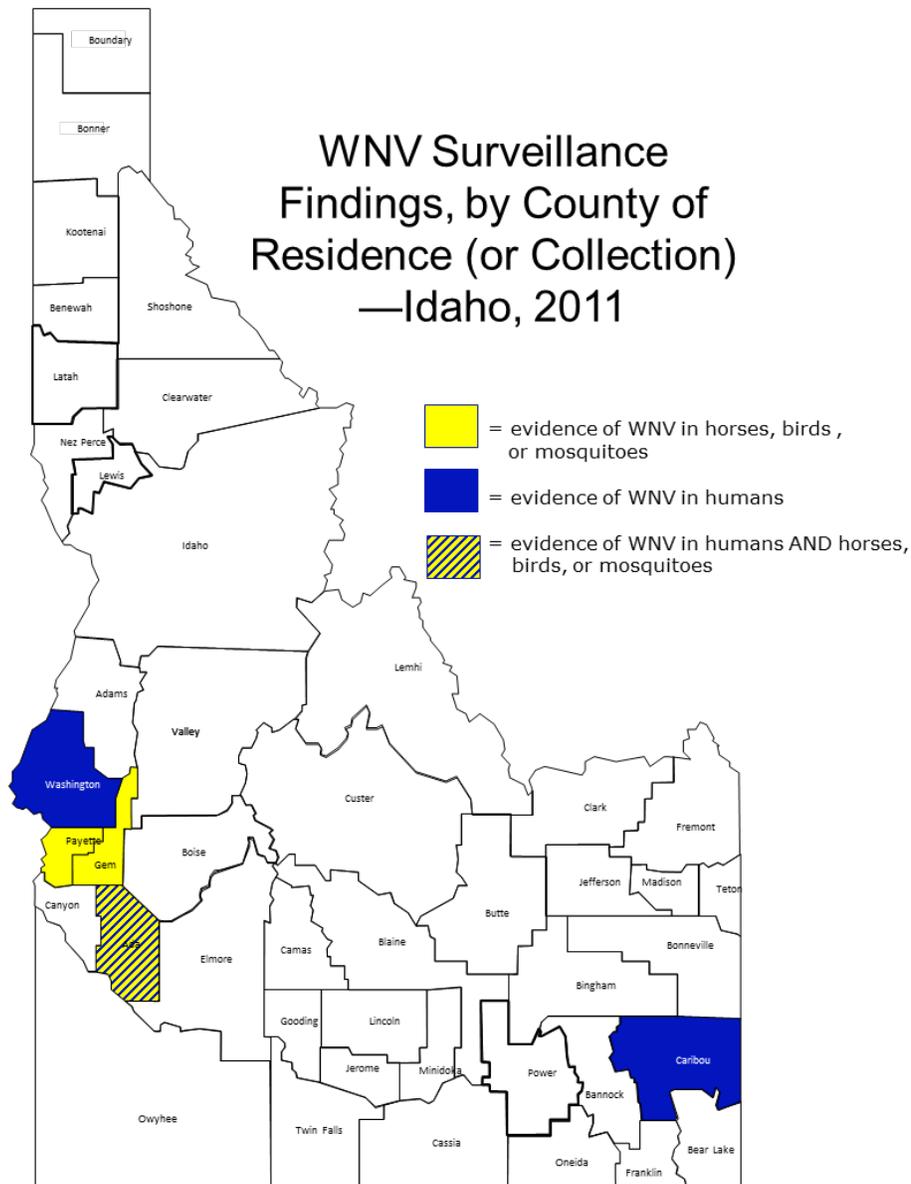
WNV Surveillance Findings, by County—Idaho, 2012

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	1	1	-	1 (Barn Owl)	Positive
Adams	1	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	3	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	1	2	1	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	4	1	-	-	Positive
Gooding	1	0	2	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-

Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	2	1 (Golden Eagle)	Positive
Payette	2	1	-	1 (American Kestrel)	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	2	0	-	-	Positive
Valley	0	0	-	-	-
Washington	0	0	1	-	-
<b>Totals</b>	<b>12</b>	<b>5</b>	<b>9</b>	<b>3</b>	<b>7 counties</b>
Total reported cases: <b><u>17</u></b>					
Total reported counties: <b><u>11</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors: <b><u>2</u></b> (asymptomatic, not in table)					

## 2011 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **3**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors: **0**
- Total reported positive counties: **5**



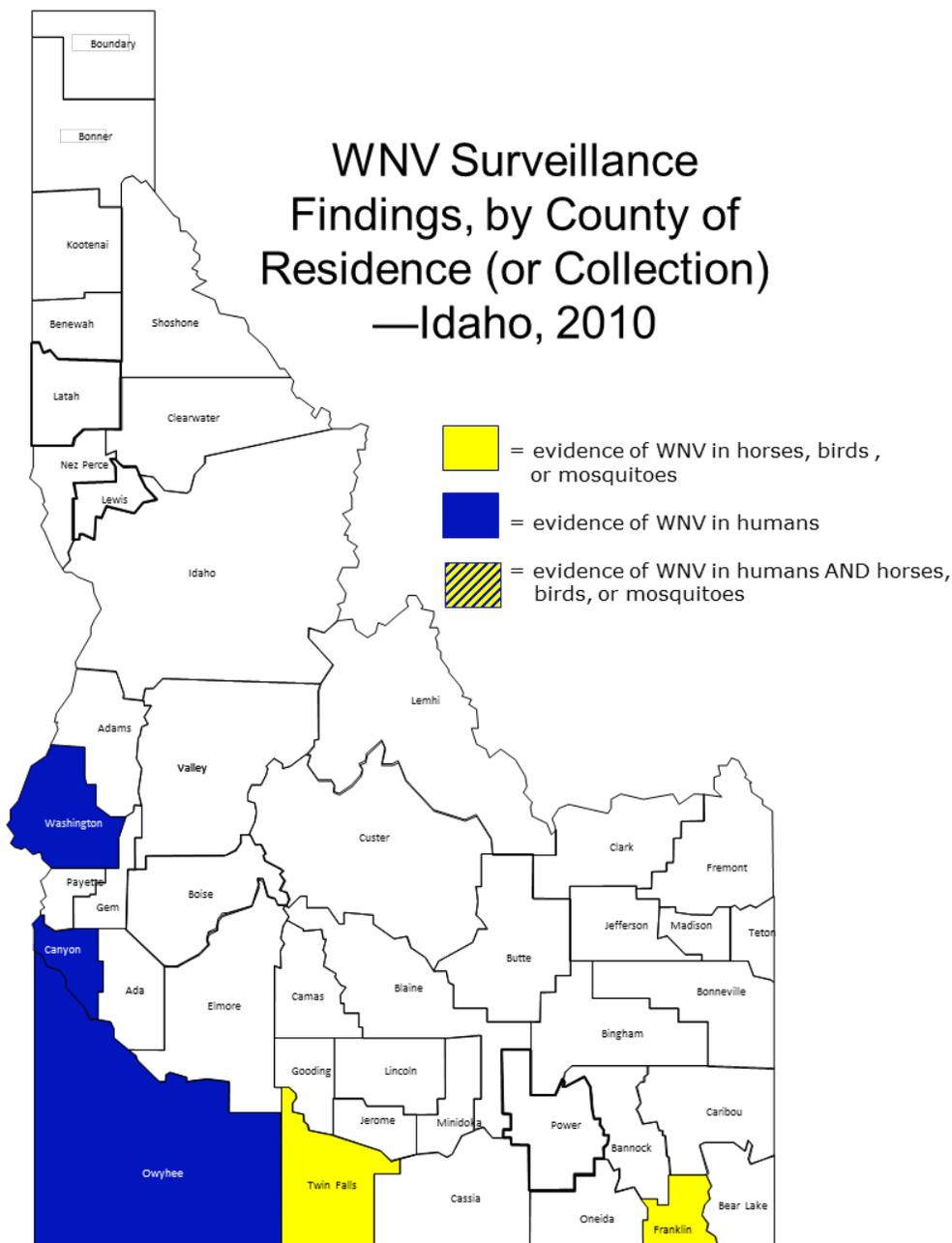
## WNV Surveillance Findings, by County—Idaho, 2011

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
<b>Ada</b>	1	0	1	-	-
Adams	0	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	-	-	-
<b>Caribou</b>	0	1	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
<b>Gem</b>	0	0	-	-	<b>Positive</b>
Gooding	0	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-

Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	-	-	-
<b>Payette</b>	0	0	-	-	<b>Positive</b>
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	0	-	-	-
Valley	0	0	-	-	-
<b>Washington</b>	<b>1</b>	0	-	-	-
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>
Total reported cases: <b><u>3</u></b>					
Total positive counties: <b><u>5</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors: <b><u>0</u></b>					

## 2010 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **3**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors: **0**
- Total reported positive counties: **5**



## WNV Surveillance Findings by County—Idaho, 2010

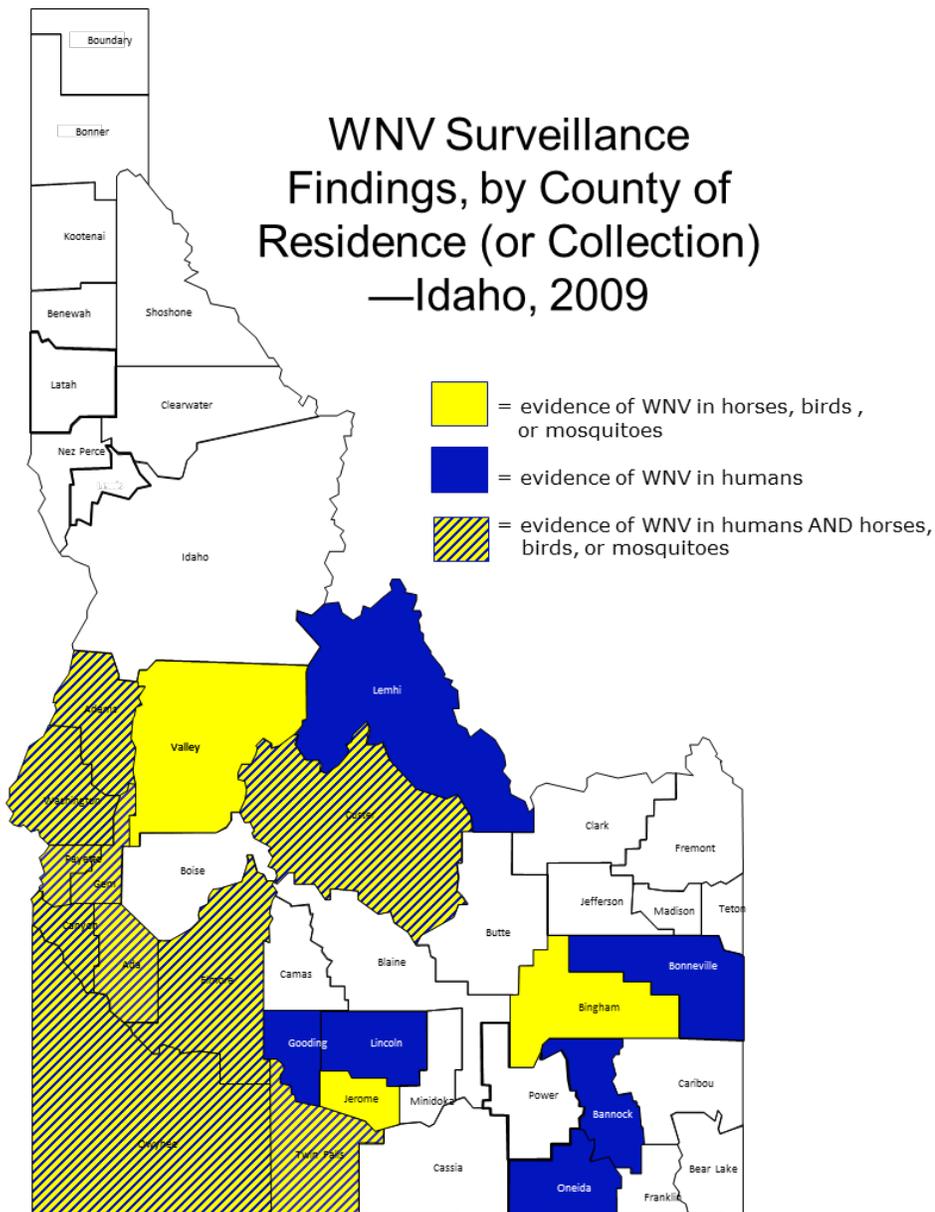
Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	0	0	-	-	-
Adams	0	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
<b>Canyon</b>	<b>1</b>	0	-	-	-
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	-
<b>Franklin</b>	0	0	<b>1</b>	-	-
Fremont	0	0	-	-	-
Gem	0	0	-	-	-
Gooding	0	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-



Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	1	0	-	-	-
Payette	0	0	-	-	-
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	0	Alpacas (2)	-	-
Valley	0	0	-	-	-
Washington	1	0	-	-	-
<b>Totals</b>	<b>3</b>	<b>0</b>	<b>Horse (1), Alpaca (2)</b>	<b>0</b>	<b>0</b>
Total symptomatic cases: <b><u>3</u></b> Total positive counties: <b><u>5</u></b>					
West Nile virus-related deaths: <b><u>0</u></b> (included in totals shown in table) Blood donors: <b><u>0</u></b>					

## 2009 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **37**
- West Nile virus-related deaths: **2**
- Asymptomatic presumptive viremic blood donors: **2**
- Total reported positive counties: **17**



## WNV Surveillance Findings, by County—Idaho, 2009

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
<b>Ada</b>	<b>3</b>	<b>1</b>	<b>1</b>	0	<b>Positive</b>
<b>Adams</b>	0	<b>1</b>	-	<b>Sage Grouse (1)</b>	<b>Positive</b>
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
<b>Bingham</b>	0	0	-	-	<b>Positive</b>
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
<b>Bonneville</b>	0	<b>1</b>	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
<b>Canyon</b>	<b>8</b>	<b>1</b>	<b>2, Dog (1)</b>	-	<b>Positive</b>
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
<b>Custer</b>	<b>1</b>	0	<b>1</b>	-	-
<b>Elmore</b>	<b>4</b>	<b>2</b>	-	-	<b>Positive</b>
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
<b>Gem</b>	<b>2</b>	0	-	-	<b>Positive</b>
<b>Gooding</b>	<b>1</b>	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
<b>Jerome</b>	0	0	<b>1</b>	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-

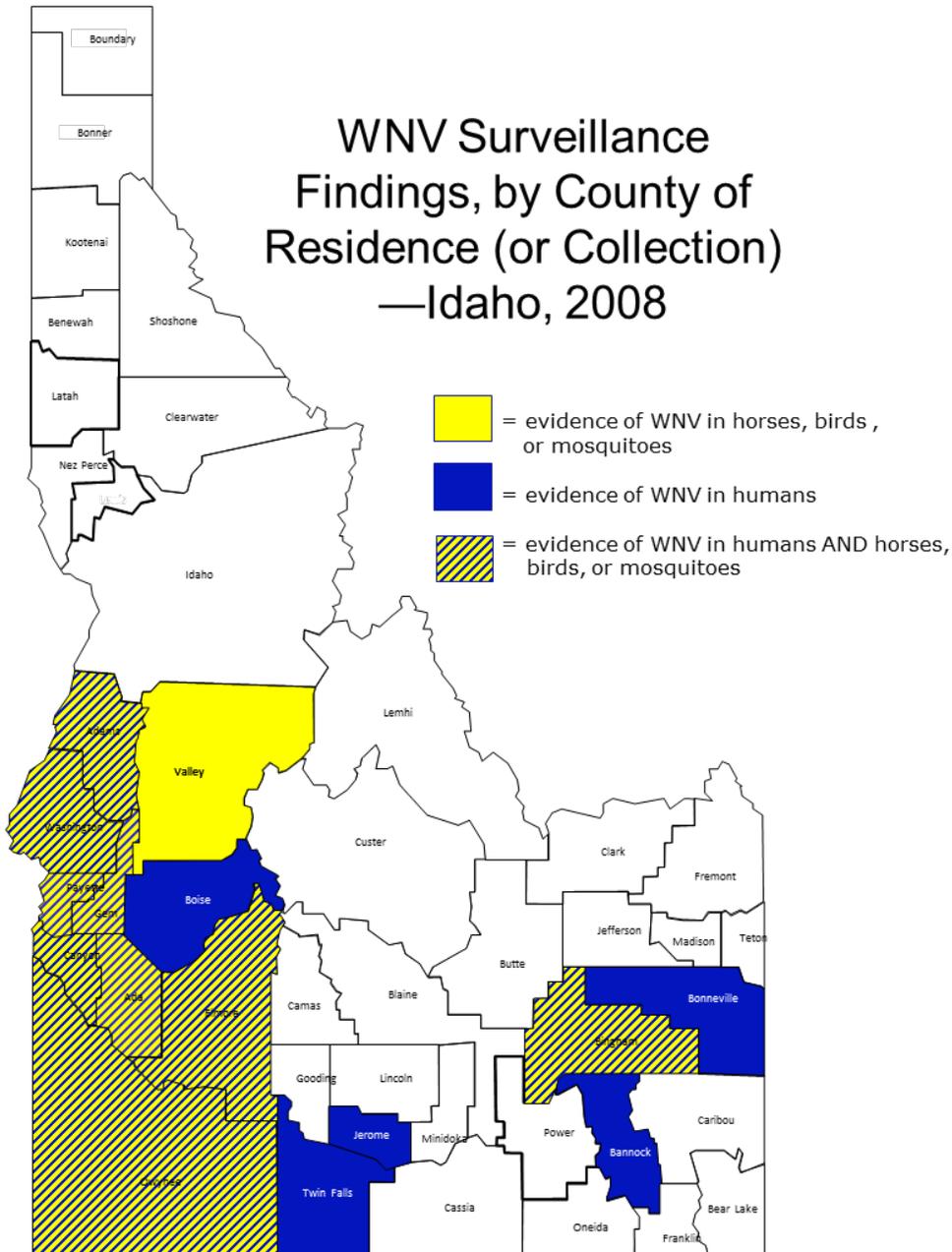


Lemhi	0	1	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	1	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	1	0	-	-	-
Owyhee	0	1	1	-	Positive
Payette	1	1	2	-	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	2	1	1	-	Positive
Valley	0	0	-	-	-
Washington	2	1	-	-	Positive
<b>Totals</b>	<b>25</b>	<b>12</b>	<b>Horse (9), Dog (1)</b>	<b>1</b>	<b>10</b>
Total symptomatic cases: <u>37</u> Total positive counties: <u>17</u>					
West Nile virus-related deaths: <u>2</u> (included in totals shown in table) Asymptomatic blood donors: <u>2</u>					



## 2008 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **36**
- West Nile virus-related deaths: **1**
- Asymptomatic presumptive viremic blood donors: **0**
- Total reported positive counties: **15**



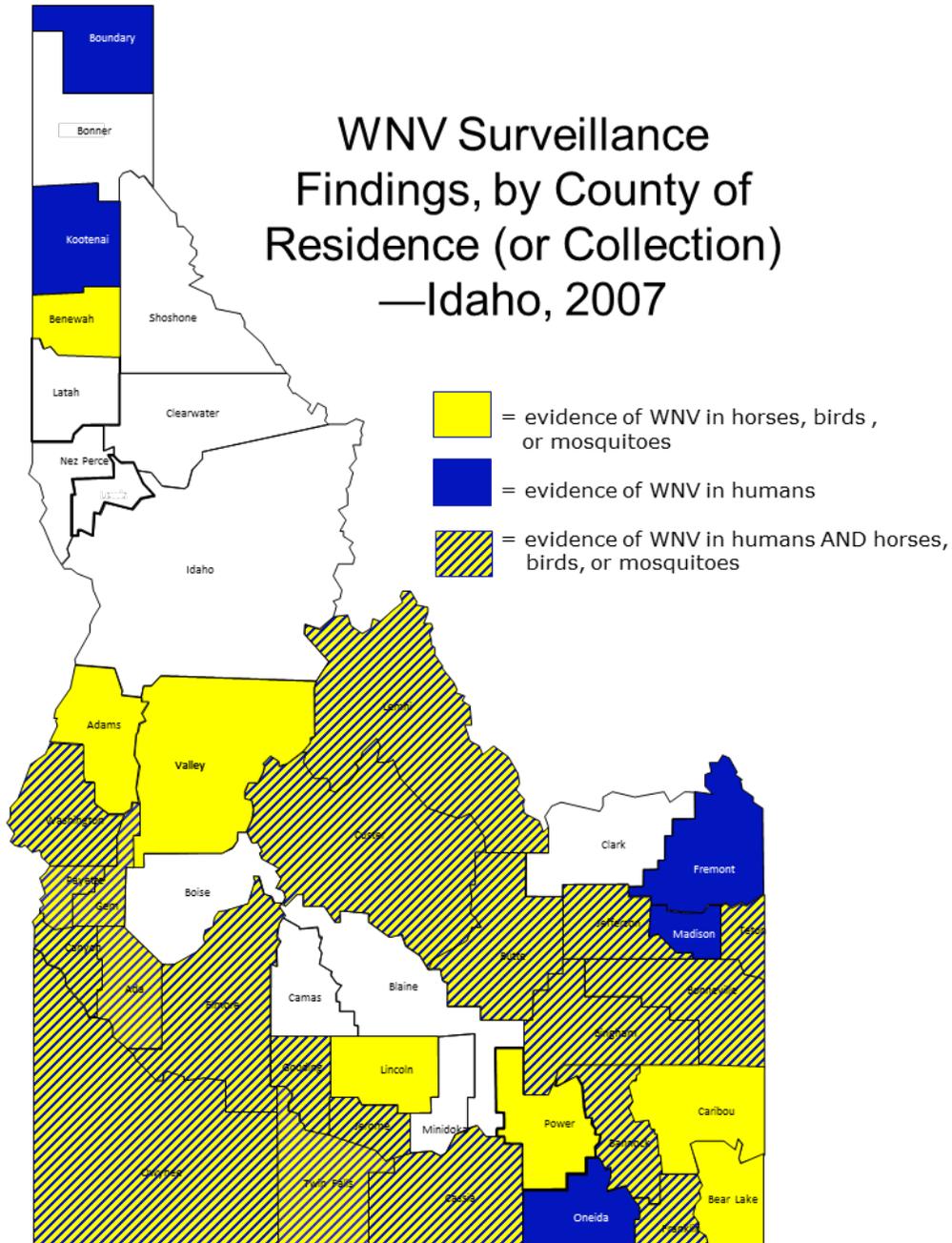
WNV Surveillance Findings, by County—Idaho, 2008

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	5	1	-	-	Positive
Adams	3	1	-	1(Golden Eagle)	-
Bannock	2	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	2	0	-	-	Positive
Blaine	0	0	-	-	-
Boise	1	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	2	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	2	0	-	-	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	3	1	-	1(Sharp- shinned Hawk)	Positive
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	2	0	-	1(Golden Eagle)	Positive
Gooding	0	0	-	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	1	0	-	-	-

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	1	1	-	-
Payette	2	1	-	-	Positive
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	1	1	-	-	-
Valley	0	0	-	1(American Crow)	-
Washington	4	0	-	-	Positive
<b>Totals</b>	<b>30</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>7</b>
Total symptomatic cases: <b><u>36</u></b> Total positive counties: <b><u>15</u></b>					
West Nile virus-related deaths: <b><u>1</u></b> (included in totals shown in table) Blood Donors: <b><u>0</u></b>					

## 2007 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **135**
- West Nile virus-related deaths: **1**
- Asymptomatic presumptive viremic blood donors: **3**
- Total reported positive counties: **32**



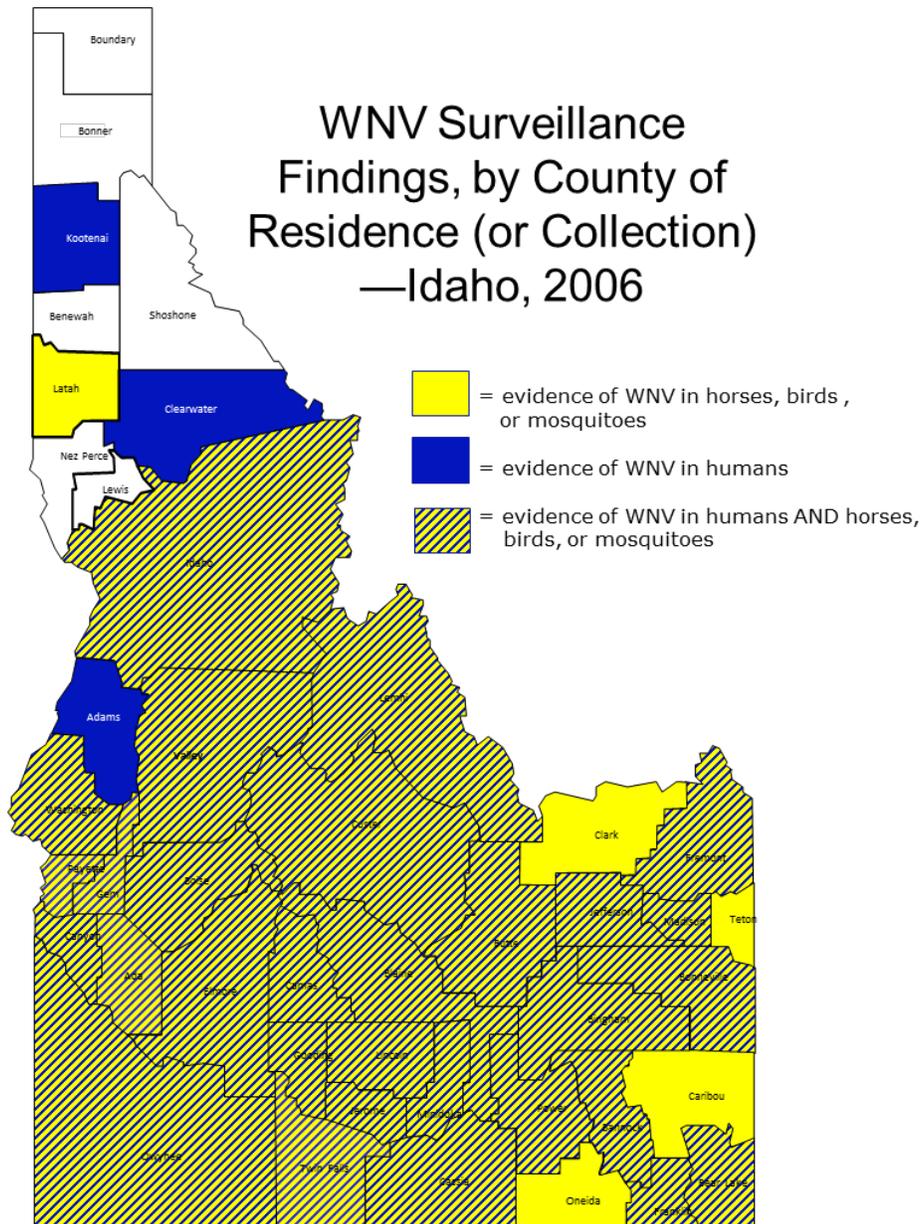
WNV Surveillance Findings, by County—Idaho, 2007

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	19	2	1	-	Positive
Adams	0	0	-	-	Positive
Bannock	5	0	-	-	Positive
Bear Lake	0	0	-	-	Positive
Benewah	0	0	-	1 (Red-tailed Hawk)	-
Bingham	5	0	1	1 (Red-tailed Hawk)	Positive
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	4	0	1	-	Positive
Boundary	0	1	-	-	-
Butte	1	0	Dog (1)	-	-
Camas	0	0	-	-	-
Canyon	23	4	1	1 (Swainson's Hawk)	Positive
Caribou	0	0	-	-	Positive
Cassia	1	0	1	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	4	0	1	-	-
Elmore	7	0	-	1 (Bald Eagle)	Positive
Franklin	1	2	1, Llama (1)	-	-
Fremont	1	0	-	-	-
Gem	12	1	2	3 (American Crow[2], Swainson's Hawk[1])	Positive
Gooding	4	1	-	-	Positive
Idaho	0	0	-	-	-
Jefferson	1	0	-	-	Positive
Jerome	1	0	-	1 (American Crow)	-

Kootenai	1*	0	-	-	-
Latah	0	0	-	-	-
Lemhi	6	0	-	3(American Crow[2], Common Raven[1])	-
Lewis	0	0	-	-	-
Lincoln	0	0	1	-	-
Madison	2	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	1	0	-	-	-
Owyhee	7	0	2	-	Positive
Payette	6	1	-	1(Black-billed Magpie)	Positive
Power	0	0	-	-	Positive
Shoshone	0	0	-	-	-
Teton	4	0	Alpaca (1)	1(Red-tailed Hawk)	-
Twin Falls	3	0	-	-	Positive
Valley	0	0	1	2(American Crow[1], American Kestrel[1])	Positive
Washington	4	0	-	-	Positive
	123	12	Horse (13), Alpaca (1), Llama (1), Dog (1)	15	18
Total reported cases: <u>135</u> Total positive counties: <u>32</u>					
West Nile virus-related deaths: <u>1</u> (included in totals shown in table) Blood donors: <u>3</u>					
*imported case, no local transmission documented in Kootenai County					

## 2006 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: 996
- West Nile virus-related deaths: 23
- Asymptomatic presumptive viremic blood donors: 20
- Total reported positive counties: 38



WNV Surveillance Findings, by County—Idaho, 2006

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Positive Mosquito Pools
Ada	210	41	40	29	Positive
Adams	8	0	-	-	-
Bannock	20	4	22	3	-
Bear Lake	1	0	5	-	Positive
Benewah	0	0	-	-	-
Bingham	125	19	44	2	-
Blaine	9	1	4	1	-
Boise	6	0	7	-	-
Bonner	0	0	-	-	-
Bonneville	30	2	9	5	Positive
Boundary	0	0	-	-	-
Butte	4	0	7	2	-
Camas	1	1	1	-	-
Canyon	143	37	51 (49 horses, 1 cow, 1 llama)	14	Positive
Caribou	0	0	2	-	-
Cassia	1	3	10	1	-
Clark	0	0	2	-	-
Clearwater	1	0	-	-	-
Custer	4	0	12	3	-
Elmore	58	9	6	6	Positive
Franklin	1	0	9	-	-
Fremont	5	0	9	3	-
Gem	12	4	7	9	Positive
Gooding	40	6	2	7	-
Idaho	3	0	1	-	-
Jefferson	11	3	20	5	Positive
Jerome	10	2	3	7	-
Kootenai	0	1	-	-	-
Latah	0	0	1	-	-
Lemhi	2	0	7	1	-



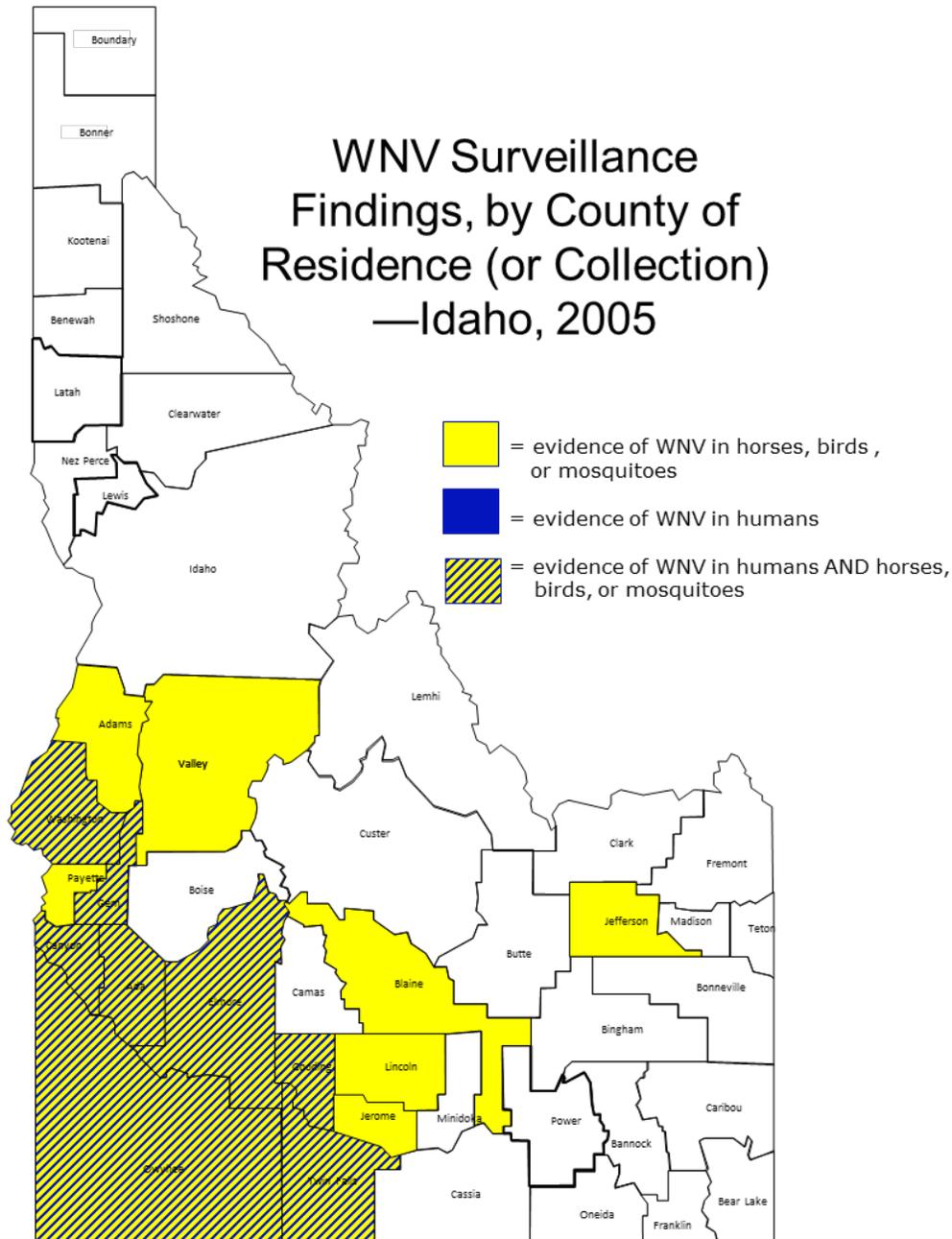
Lewis	0	0	-	-	-
Lincoln	7	2	5	1	-
Madison	5	2	9	2	-
Minidoka	16	8	8	2	-
Nez Perce	0	0	-	-	-
Oneida	0	0	2	1	-
Owyhee	26	6	4	10	-
Payette	19	4	2	-	-
Power	2	0	4	-	-
Shoshone	0	0	-	-	-
Teton	0	0	1	-	-
Twin Falls	29	10	22	11	-
Valley	0	2	-	1	Positive
Washington	18	2	2	1	-
	<b>827</b>	<b>169</b>	<b>340</b>	<b>127*</b>	<b>8</b>
Total reported cases: <b>996</b> Total positive counties: <b>38</b>					
West Nile virus-related deaths: <b>23</b> (included in totals shown in table) Blood donors: <b>20</b>					

\*48 Black-billed magpies, 41 American crows, 11 Sage Grouse, 5 Common Ravens, 5 Swainson's Hawks, 4 California Condors, 3 Golden Eagles, 2 American Kestrels, , 2 Barn Owls, 2 Red-tailed Hawks, 1 Great Horned Owl, 1 Gyrfalcon, and 1 Ferruginous Hawk.

Squirrel mortality was high in south and southeastern communities, attributed to WNV.

## 2005 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **13**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors: **1**
- Total reported positive counties: **15**



## WNV Surveillance Findings by County—Idaho, 2005

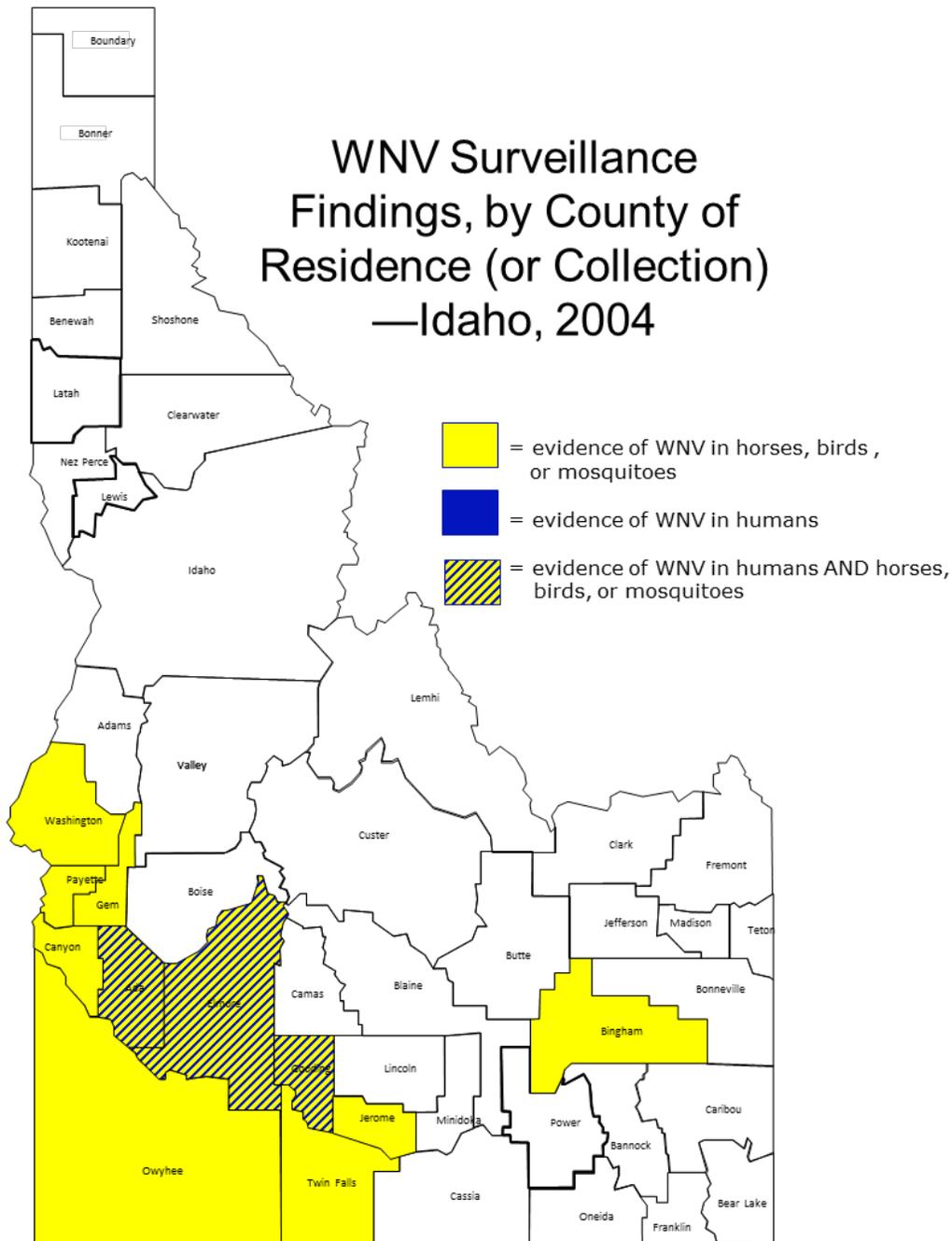
Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
<b>Ada</b>	2	0	4	6 (Black-billed Magpie [4], American Crow [1], Golden Eagle [1])	Positive
<b>Adams</b>	0	0	4	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
<b>Blaine</b>	0	0	5	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
<b>Canyon</b>	2	0	23	3 (Magpie [2], American White Pelican [1])	Positive
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
<b>Elmore</b>	2	0	2	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-

<b>Gem</b>	<b>2</b>	<b>0</b>	<b>10</b>	<b>2 (Magpie [1], Crow [1])</b>	<b>Positive</b>
<b>Gooding</b>	<b>0</b>	<b>2</b>	<b>9</b>	-	-
Idaho	0	0	-	-	-
<b>Jefferson</b>	<b>0</b>	<b>0</b>	<b>2</b>	-	-
<b>Jerome</b>	<b>0</b>	<b>0</b>	<b>1, Dog (1)</b>	<b>2 (Magpies)</b>	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
<b>Lincoln</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1 (Magpie)</b>	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
<b>Owyhee</b>	<b>1</b>	<b>0</b>	<b>15</b>	-	-
<b>Payette</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>1 (Swainson's Hawk)</b>	<b>Positive</b>
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
<b>Twin Falls</b>	<b>1</b>	<b>0</b>	<b>3</b>	-	-
<b>Valley</b>	<b>0</b>	<b>0</b>	<b>1</b>	-	-
<b>Washington</b>	<b>0</b>	<b>1</b>	<b>20</b>	-	<b>Positive</b>
<b>Totals</b>	<b>10</b>	<b>3</b>	<b>Horses (113), Dog (1)</b>	<b>15</b>	<b>5</b>
Total reported cases: <b><u>13</u></b>					
Total positive counties: <b><u>15</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors: <b><u>1</u></b>					



## 2004 WNV SURVEILLANCE SUMMARY: FINAL

- Total reported symptomatic WNV cases: **3**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors: **0**
- Total reported positive counties: **11**



WNV Surveillance Findings, by County—Idaho, 2004

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
<b>Ada</b>	0	<b>1</b>	-	<b>1 (American Crow)</b>	-
Adams	0	0	-	-	-
Bannock	0	0	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
<b>Bingham</b>	0	0	<b>1</b>	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
<b>Canyon</b>	0	0	<b>6</b>	<b>1 (Crow)</b>	-
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
<b>Elmore</b>	<b>1</b>	0	<b>3</b>	<b>2 (Crows)</b>	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
<b>Gem</b>	0	0	<b>Alpaca (1)</b>	-	-
<b>Gooding</b>	<b>1</b>	0	<b>8</b>	<b>1 (Black-billed Magpie)</b>	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-

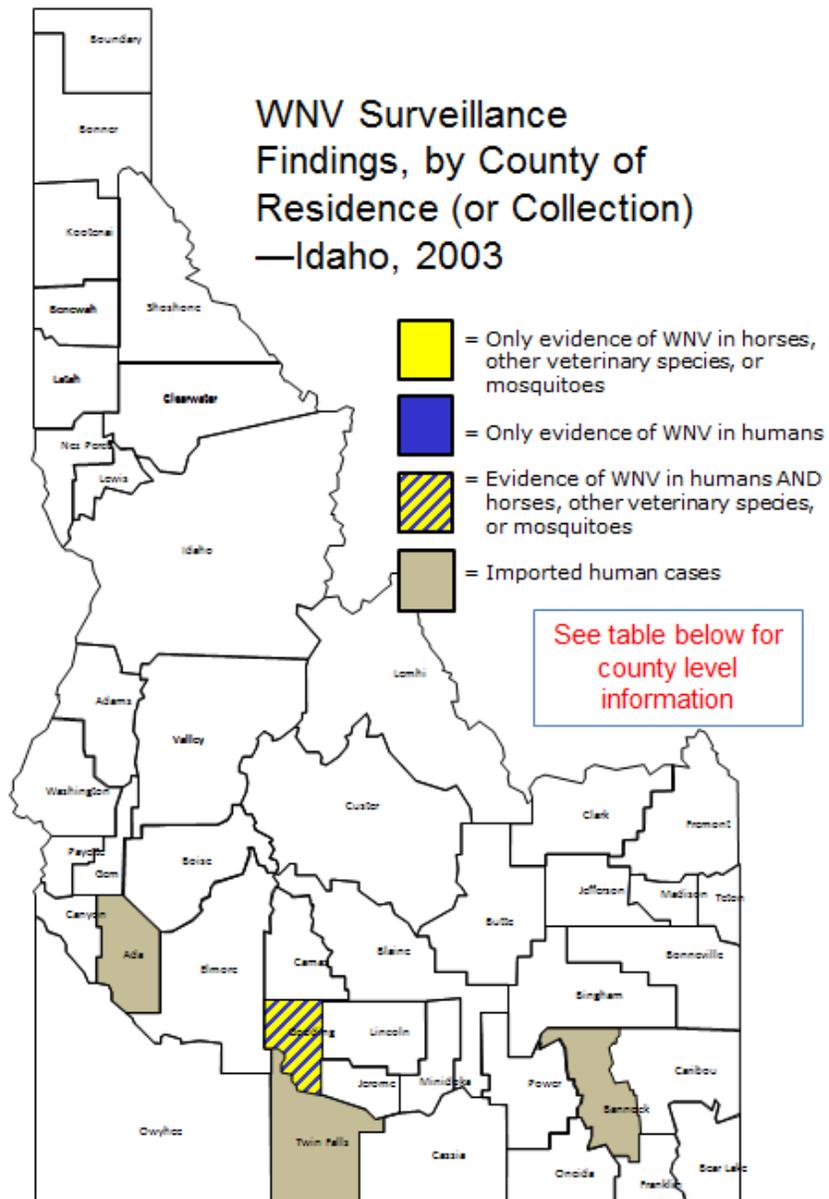
Jerome	0	0	-	1 (Golden Eagle)	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-
Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	1	-	-
Payette	0	0	2	-	-
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	0	1	-	-
Valley	0	0	-	-	-
Washington	0	0	-	1 (Magpie)	-
<b>Totals</b>	<b>2</b>	<b>1</b>	<b>Horse (22), Alpaca (1)</b>	<b>7</b>	<b>0</b>
Total reported cases: <b><u>3</u></b>					
Total positive counties: <b><u>11</u></b>					
West Nile virus-related deaths: <b><u>0</u></b>					
Blood donors detected: <b><u>0</u></b>					



## **2003 WNV SURVEILLANCE SUMMARY: FINAL**

- Total reported symptomatic WNV cases: **4**
- West Nile virus-related deaths: **0**
- Asymptomatic presumptive viremic blood donors: **0**
- Total reported positive counties: **1**





WNV first detected in Idaho in 2003, associated with imported, infected alligators

### WNV Surveillance Findings, by County—Idaho, 2003

Counties	Humans Fever	Humans Neuroinvasive	Horses/other mammals	Birds	Mosquito Pools
Ada	<b>1 (imported)</b>	0	-	-	-

Adams	0	0	-	-	-
Bannock	0	<b>1 (imported)</b>	-	-	-
Bear Lake	0	0	-	-	-
Benewah	0	0	-	-	-
Bingham	0	0	-	-	-
Blaine	0	0	-	-	-
Boise	0	0	-	-	-
Bonner	0	0	-	-	-
Bonneville	0	0	-	-	-
Boundary	0	0	-	-	-
Butte	0	0	-	-	-
Camas	0	0	-	-	-
Canyon	0	0	-	-	-
Caribou	0	0	-	-	-
Cassia	0	0	-	-	-
Clark	0	0	-	-	-
Clearwater	0	0	-	-	-
Custer	0	0	-	-	-
Elmore	0	0	-	-	-
Franklin	0	0	-	-	-
Fremont	0	0	-	-	-
Gem	0	0	-	-	-
<b>Gooding</b>	<b>1 (locally acquired, not mosquito-borne)</b>	0	<b>Alligators (14)</b>	-	-
Idaho	0	0	-	-	-
Jefferson	0	0	-	-	-
Jerome	0	0	-	-	-
Kootenai	0	0	-	-	-
Latah	0	0	-	-	-
Lemhi	0	0	-	-	-
Lewis	0	0	-	-	-
Lincoln	0	0	-	-	-



Madison	0	0	-	-	-
Minidoka	0	0	-	-	-
Nez Perce	0	0	-	-	-
Oneida	0	0	-	-	-
Owyhee	0	0	-	-	-
Payette	0	0	-	-	-
Power	0	0	-	-	-
Shoshone	0	0	-	-	-
Teton	0	0	-	-	-
Twin Falls	0	<b>1 (imported)</b>	-	-	-
Valley	0	0	-	-	-
Washington	0	0	-	-	-
<b>Totals</b>	<b>2</b>	<b>2</b>	<b>14+</b> <b>(large</b> <b>alligator die-</b> <b>off [-1000],</b> <b>14 tested)</b>	-	-
Total Reported Human Cases: <b><u>4</u></b> Total positive counties: <b>1</b> (the other 3 had imported cases)					
West Nile virus-related deaths: <b><u>0</u></b> Blood donors detected: <b><u>0</u></b>					

Questions or comments about this document?  
Contact the Idaho Department of Health and Welfare, Division of Public Health, Bureau of  
Communicable Disease Prevention at 208-334-5959

