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# 2015 Vesicular Stomatitis Virus (VSV) Situation Report – July 22, 2015

*Information current as of 9:00 am MDT, 07/22/2015*

*Updated information in blue ink*

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On July 22, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) from a premises in Laramie County, Wyoming. One horse from the premises has met the case definition of infection with compatible clinical signs and positive virus isolation. This is the 2015 VSV index case for Wyoming. Additionally, 1 epidemiologically-linked suspect premises is quarantined and under investigation in Goshen County, Wyoming.

Also, since the last situation report (7/17/15), the following **new VSV-confirmed (New Jersey serotype) and/or suspect premises** have been identified and quarantined:

Colorado (2 confirmed, 8 suspect premises)

- Delta County – 1 new confirmed positive premises
- Larimer County – 1 new confirmed positive premises and 3 new suspect premises
- La Plata County – 2 new suspect premises
- Montezuma County – 1 new suspect premises
- Montrose County – 2 new suspect premises

New Mexico (1 confirmed, 3 suspect premises)

- San Juan County (new affected county) – 2 new suspect premises
- San Miguel County (new affected county) – 1 new confirmed positive premises and 1 new suspect premises

Quarantined premises are eligible for release 14 days after the onset of lesions in the last affected animal on the premises. Since the last situation report (7/17/15), the following premises have been **released from quarantine**:

Colorado

- Delta County – 1 confirmed premises and 2 suspect premises released
- Montrose County – 1 confirmed premises released
- Additionally, 1 premises previously reported as suspect has been released as confirmed VSV-negative in Delta County and removed from suspect case counts below.

## VSV Current Premises

**Table 1. Location and number of premises currently under movement control for VSV**

	New Premises 7/17- 7/22/15 Confirmed (Suspect)	Total Current Premises last report	VSV Premises Released 7/17 – 7/22/15	Total Current Premises
<b>COLORADO</b>				
Delta County	1	11	3	9
La Plata County	0 (2)	2	0	4
Larimer County	1 (3)	1	0	5
Las Animas County	0	1	0	1
Montezuma County	0 (1)	4	0	5
Montrose County	0 (2)	4	1	5
<b>TOTAL COLORADO</b>	<b>2 (8)</b>	<b>23</b>	<b>4</b>	<b>29</b>
<b>NEW MEXICO</b>				
San Juan County	0 (2)	0	0	2
San Miguel County	1 (1)	0	0	2
<b>TOTAL NEW MEXICO</b>	<b>1 (3)</b>	<b>0</b>	<b>0</b>	<b>4</b>
<b>WYOMING</b>				
Goshen County	0 (1)	0	0	1
Laramie County	1	0	0	1
<b>TOTAL WYOMING</b>	<b>1 (1)</b>	<b>0</b>	<b>0</b>	<b>2</b>
<b>TOTAL: 3 STATES w/ current quarantines</b>	<b>4 (12)</b>	<b>23</b>	<b>4</b>	<b>35</b>

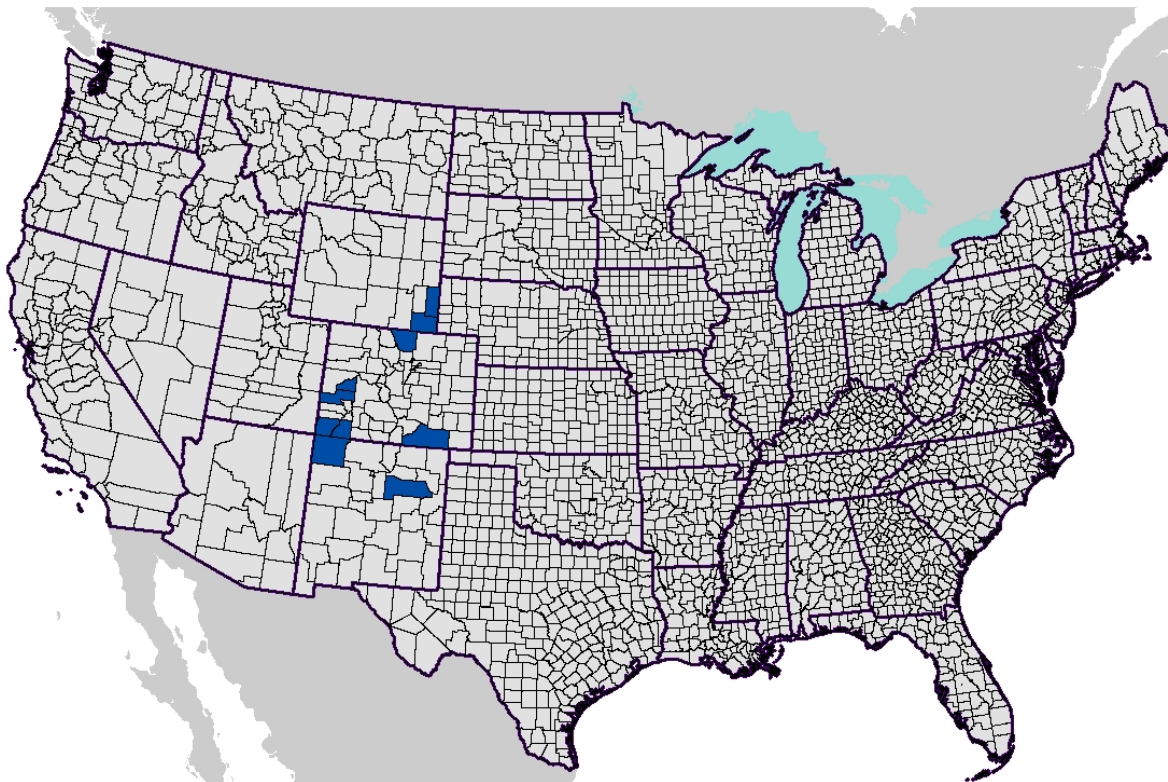
## VSV Cumulative Premises

**Table 2. Location and number of premises confirmed/suspect for VSV since April 29, 2015**

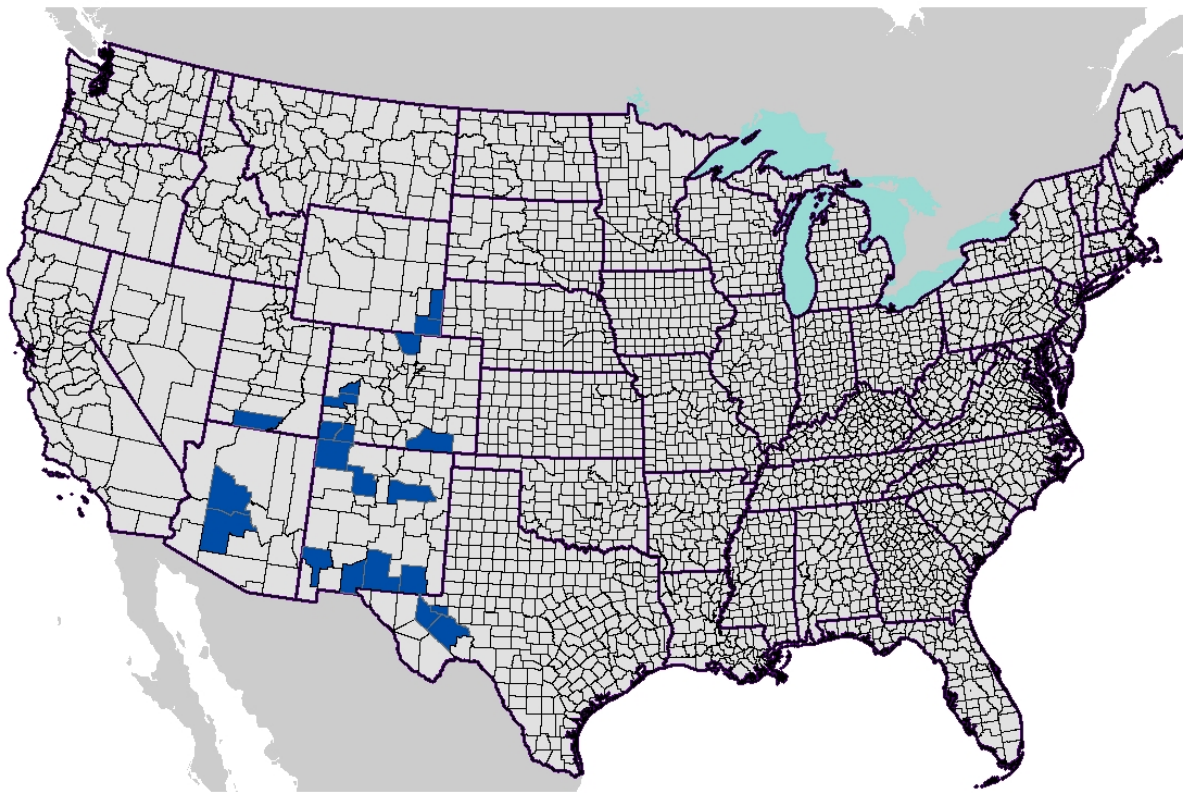
	Confirmed Positive Premises	Suspect Premises	Total Premises
<b>NEW MEXICO</b>			
Dona Ana County	0	1	1
Eddy County	0	1	1
Grant County	3	0	3
Otero County	1	0	1
Sandoval County	1	2	3
San Juan County	0	2	2
San Miguel County	1	1	2
<b>TOTAL NEW MEXICO: 7 COUNTIES</b>	<b>6</b>	<b>7</b>	<b>13</b>
<b>ARIZONA</b>			
Maricopa County	13	15	28
Yavapai County	0	7	7
<b>TOTAL ARIZONA: 2 COUNTIES</b>	<b>13</b>	<b>22</b>	<b>35</b>
<b>UTAH</b>			
Kane County	1	1	2
<b>TOTAL UTAH: 1 COUNTY</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>TEXAS</b>			
Pecos County	1	0	1
Reeves County	1	0	1
Ward County	1	0	1
<b>TOTAL TEXAS: 3 COUNTIES</b>	<b>3</b>	<b>0</b>	<b>3</b>

COLORADO	Confirmed Positive Premises	Suspect Positive Premises	Total Premises
Delta County	2	10	12
La Plata County	1	3	4
Larimer County	2	3	5
Las Animas County	1	0	1
Montezuma County	3	2	5
Montrose County	3	6	9
<b>TOTAL COLORADO: 6 COUNTIES</b>	<b>12</b>	<b>24</b>	<b>36</b>
<b>WYOMING</b>			
Goshen County	0	1	1
Laramie County	1	0	1
<b>TOTAL WYOMING: 2 COUNTIES</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>TOTAL: 6 STATES</b>	<b>36</b>	<b>55</b>	<b>91</b>

**Map 1. VSV Current: Counties with Current Premises Quarantined**



**Map 2. VSV Cumulative: Counties with Premises Quarantined April 29, 2015-present**



### **Background**

On April 29, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa, confirmed a finding of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on a premises in Grant County, New Mexico. One horse on the premises has met the case definition of infection with compatible clinical signs and a four-fold change in positive complement fixation antibody titers. This is the 2015 VSV index case for the United States.

On May 1, 2015, the National Veterinary Services Laboratories (NVSL), confirmed findings of vesicular stomatitis virus (VSV) infection (New Jersey serotype) on premises in Maricopa County, Arizona and Kane County, Utah. Three horses on two premises in Maricopa County, Arizona met the case definition of infection with compatible clinical signs and positive complement fixation antibody titers. One mule on a premises in Kane County, Utah met the case definition of infection with compatible clinical signs and positive virus isolation. The equids involved in the Kane County, Utah case had moved from Arizona just prior to identification of clinical signs. These are the 2015 VSV index cases for Arizona and Utah, respectively.

As of May 14, 2015, all VSV-confirmed and suspect premises were released from quarantine in Utah.

On May 18, 2015, the National Veterinary Services Laboratories in Ames, Iowa confirmed a finding of VSV infection (New Jersey serotype) on a premises in Pecos County, Texas. Two horses and a mule on the premises met case definition of infection with compatible clinical signs and positive complement fixation antibody titers. This is the 2015 index case of VSV for Texas.

On July 2, 2015, the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed findings of VSV infection (New Jersey serotype) on three (3) premises located in Colorado; one equine premises in Delta County, Colorado and two equine premises in Montrose County, Colorado. Two horses and two mules on the three premises met case definition of infection with compatible clinical signs and positive complement fixation antibody titers. These are the 2015 index cases of VSV for Colorado.