



2019 Vesicular Stomatitis Virus (VSV) Situation Report – July 29, 2019

Information current as of 1:00pm MDT, 07/29/2019

On July 29, 2019, the National Veterinary Services Laboratories in Ames, Iowa confirmed a finding of vesicular stomatitis virus (VSV) infection (Indiana serotype) on an equine premises in Tillman County, Oklahoma. One horse on the premises has met the case definition of infection with compatible clinical signs and complement fixation test positive results at 1:40 or greater. The clinical horse is also PCR positive for VSV-Indiana on a swab of the lesions. **This is the 2019 index case of VSV for Oklahoma.**

Additionally, since the last situation report (July 24, 2019):

Colorado (31 new confirmed positive, 72 new suspect premises)

- Adams County – 1 new confirmed positive, 1 new suspect premises
- Archuleta County – 2 new confirmed positive premises
- Boulder County – 8 new confirmed positive (1 bovine), 11 new suspect premises
- **Jefferson County (New Infected County)** – 1 confirmed positive premises
- La Plata County – 27 new suspect premises
- Larimer County – 12 new confirmed positive, 18 new suspect premises
- **Mesa County (New Infected County)** – 5 confirmed positive, 2 suspect premises
- Montezuma County – 1 new confirmed positive, 5 new suspect premises
- Weld County – 1 new confirmed positive, 8 new suspect premises
- The following previously VSV-infected or suspect premises have been released from quarantine: 3 in La Plata County, 7 in Larimer County and 4 in Weld County

New Mexico (9 new confirmed positive, 6 new suspect premises)

- **Cibola County (New Infected County)** – 1 confirmed positive premises
- Rio Arriba County – 1 new suspect premises
- **San Miguel County (New Infected County)** -1 confirmed positive premises
- Santa Fe County – 3 new suspect premises
- **Sierra County (New Infected County)** – 1 confirmed positive premises
- Valencia County – 6 new confirmed positive, 2 new suspect premises

Texas (8 new confirmed positive, 30 new suspect premises)

- **Brown County (New Infected County)** – 1 confirmed positive premises
- Bastrop County – 18 new suspect premises
- Hays County – 2 new suspect premises
- Hood County – 3 new suspect premises
- **Palo Pinto County (New Infected County)** – 2 confirmed positive premises
- **Parker County (New Infected County)** – 1 confirmed positive premises
- Shackelford County – 1 new confirmed positive premises

- Somervell County - 1 new confirmed positive premises
- **Travis County (New Infected County)** – 2 confirmed positive, 7 suspect premises
- 1 previously VSV-infected premises in Johnson County has been released from quarantine

Wyoming (1 new confirmed positive premises)

- Platte County – 1 new confirmed positive premises

Classification of Cases

Premises that have laboratory diagnostic confirmation of VSV are categorized as confirmed positive premises. Once a county is confirmed as VSV-positive, new equine premises presenting with clinical signs of VSV in that county are not required to be tested for confirmation of the disease, but the premises will be quarantined and classified as a suspect premises.

Quarantines

Confirmed positive and suspect premises are quarantined for at least 14 days from the onset of lesions in the last affected animal on the premises.

Summary of the Outbreak

The 2019 VSV outbreak began on June 21, 2019, when the National Veterinary Services Laboratories (NVSL) in Ames, Iowa confirmed the first VSV-positive premises in Kinney County, Texas. New Mexico, Colorado, Wyoming, and Oklahoma subsequently broke with cases which were confirmed by NVSL on June 26, 2019 (Sandoval County, New Mexico), July 3, 2019 (Weld County, Colorado), July 24, 2019 (Platte County, Wyoming), and July 29, 2019 (Tillman County, Oklahoma).

Since the start of the outbreak, **366 VSV-affected premises have been identified (174 confirmed positive, 192 suspect)**. Three hundred sixty-five (365) of these premises have only equine species clinically affected and 1 premises has affected cattle (Boulder County, Colorado). Colorado has identified 236 affected premises (102 confirmed positive, 134 suspect) in 12 counties (Adams, Archuleta, Boulder, Broomfield, Delta, Jefferson, La Plata, Larimer, Mesa, Montezuma, Morgan, and Weld Counties). New Mexico has identified 52 affected premises (37 confirmed positive, 15 suspect) in 9 counties (Cibola, Los Alamos, Rio Arriba, Sandoval, San Miguel, Santa Fe, Sierra, Taos, and Valencia Counties). Oklahoma has identified 1 affected premises in 1 county (Tillman County). Texas has identified 75 affected premises (32 confirmed positive, 43 suspect) located in 17 counties (Bastrop, Brown, Coleman, Hays, Hood, Johnson, Kerr, Kinney, Palo Pinto, Parker, Shackelford, Somervell, Taylor, Tom Green, Travis, Val Verde, and Wichita Counties). Wyoming has identified 2 affected premises in 1 county (Platte County). There have been a total of 29 previously VSV-infected or suspect premises that have completed the quarantine period and been released.

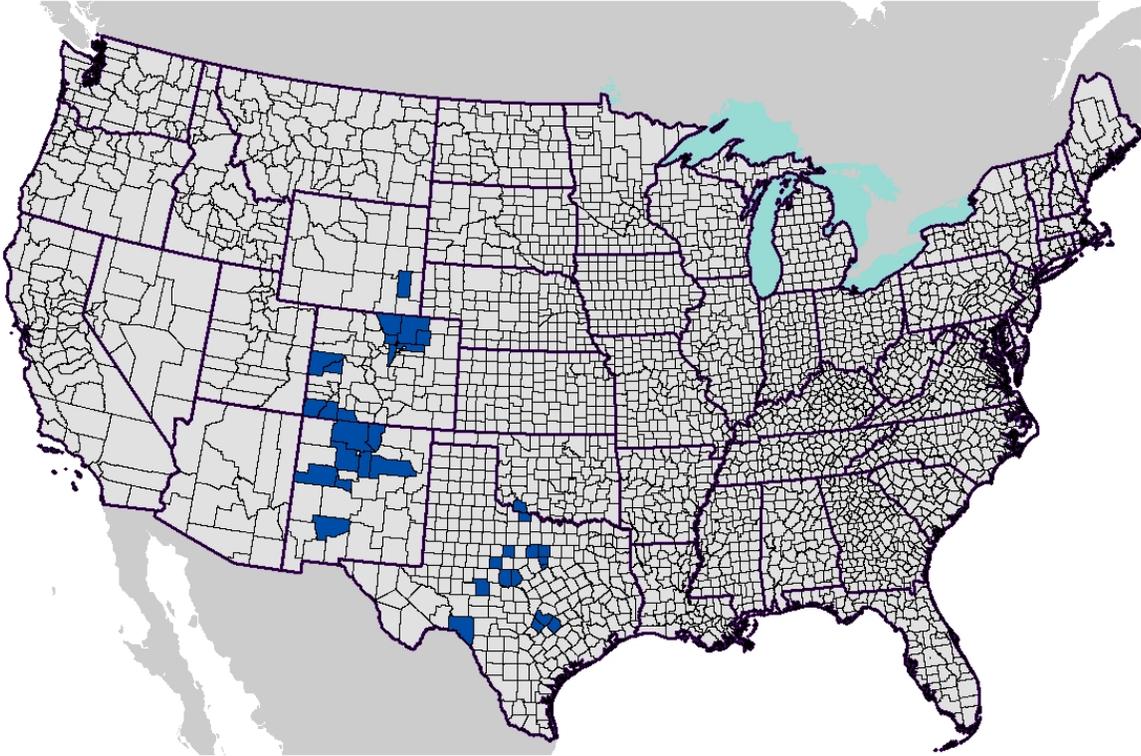
Summary of VSV-Affected Premises

Table 1. Location, number, and status of VSV-affected premises. **New information in blue.**

	Confirmed Positive Premises	Suspect Premises	Premises Released from Quarantine	Current Premises Quarantined
COLORADO				
Adams County	3	1	0	4
Archuleta County	4	1	0	5
Boulder County	19	25	0	44
Broomfield County	1	1	0	2
Delta County	1	0	0	1
Jefferson County	1	0	0	1
La Plata County	7	36	4	39
Larimer County	37	49	8	78
Mesa County	5	2	0	7
Montezuma County	2	5	0	7
Morgan County	1	0	0	1
Weld County	21	14	9	26
TOTAL: 12 COUNTIES	102	134	21	215
NEW MEXICO				
Cibola County	1	0	0	1
Los Alamos County	1	0	1	0
Rio Arriba County	1	3	0	4
Sandoval County	6	3	4	5
San Miguel County	1	0	0	1
Santa Fe County	5	4	0	9
Sierra County	1	0	0	1
Taos County	2	0	0	2
Valencia County	19	5	0	24
TOTAL: 9 COUNTIES	37	15	5	47
OKLAHOMA				
Tillman County	1	0	0	1
TOTAL: 1 COUNTY	1	0	0	1

TEXAS	Confirmed Positive Premises	Suspect Premises	Premises Released from Quarantine	Current Premises Quarantined
Bastrop County	5	30	0	35
Brown County	1	0	0	1
Coleman County	3	0	0	3
Hays County	1	3	0	4
Hood County	4	3	0	7
Johnson County	1	0	1	0
Kerr County	1	0	1	0
Kinney County	1	0	1	0
Palo Pinto County	2	0	0	2
Parker County	1	0	0	1
Shackelford County	2	0	0	2
Somervell County	2	0	0	2
Taylor County	1	0	0	1
Tom Green County	3	0	0	3
Travis County	2	7	0	9
Val Verde County	1	0	0	1
Wichita County	1	0	0	1
TOTAL TEXAS: 17 COUNTIES	32	43	3	72
WYOMING				
Platte County	2	0	0	2
TOTAL WYOMING: 1 COUNTY	2	0	0	2
TOTAL PREMISES ALL STATES	174	192	29	337

Map 1. Counties with Current VSV-Quarantined Premises (shaded in blue)



Map 2. Counties with Premises Quarantined for VSV Since June 21, 2019 (shaded in blue)

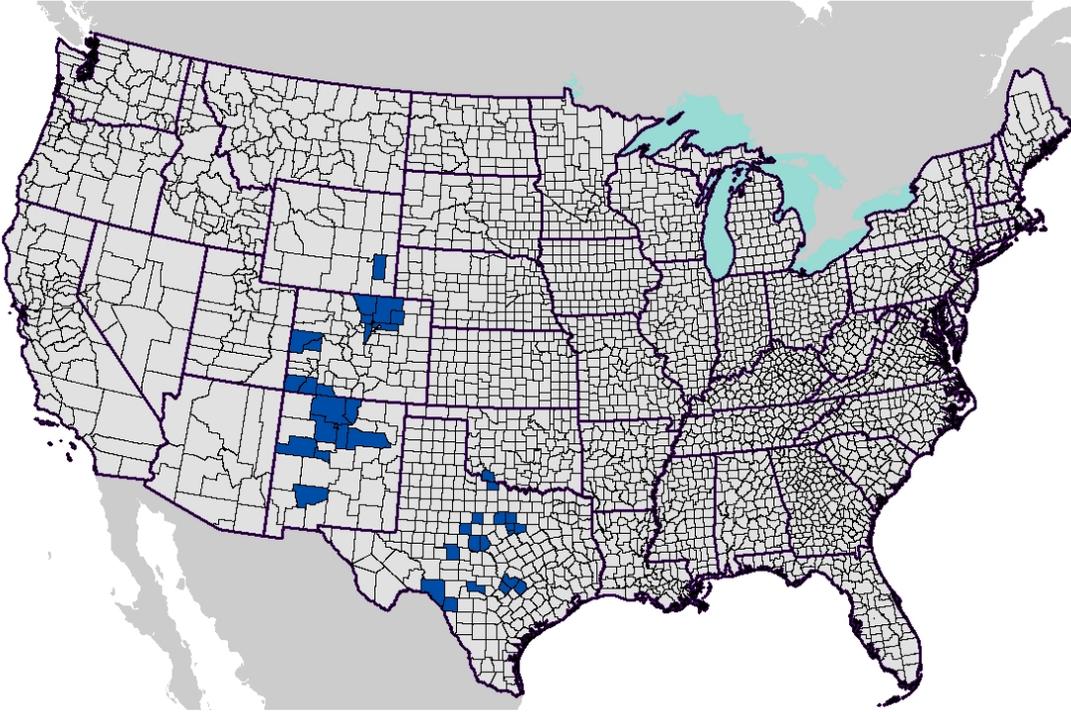


Table 3. Timeline of Events

Date	Event
June 21, 2019	VSV index case for the U.S. confirmed at NVSL – Kinney County, Texas
June 24, 2019	New affected county confirmed – Tom Green County, Texas
June 26, 2019	Index case for New Mexico confirmed – Sandoval County, New Mexico
July 3, 2019	Index case for Colorado confirmed – Weld County, Colorado
July 5, 2019	New affected counties confirmed – Los Alamos, New Mexico; Larimer County, Colorado
July 8, 2019	New affected counties confirmed – Valencia County, New Mexico; Coleman County, Texas; Kerr County, Texas
July 10, 2019	New affected counties confirmed – La Plata County, Colorado; Santa Fe County, New Mexico
July 11, 2019	New affected counties confirmed – Taylor County, Texas; Val Verde County, Texas
July 12, 2019	New affected counties confirmed – Boulder County, Colorado; Shackelford and Wichita Counties, Texas
July 16, 2019	New affected county confirmed – Broomfield County, Colorado
July 17, 2019	New affected counties confirmed – Adams County, Colorado; Bastrop, Hood, and Johnson Counties, Texas
July 18, 2019	New affected county confirmed – Hays County, Texas
July 19, 2019	New affected county confirmed – Delta County, Colorado
July 22, 2019	New affected county confirmed – Archuleta County, Colorado
July 23, 2019	New affected counties confirmed – Montezuma County and Morgan County, Colorado; Somervell County, Texas
July 24, 2019	Index case for Wyoming confirmed – Platte County, Wyoming. New affected counties confirmed – Mesa County, Colorado; Cibola and San Miguel Counties, New Mexico
July 25, 2019	New affected counties confirmed – Brown, Palo Pinto, and Travis Counties, Texas
July 26, 2019	New affected counties confirmed – Jefferson County, Colorado; Sierra County, New Mexico; Parker County, Texas.
July 29, 2019	Index case for Oklahoma confirmed – Tillman County, Oklahoma.