



Zoonotic Disease Report June 5 – June 11, 2016 (Week 23)

Executive Summary

- Larimer County reports the first human West Nile Virus (WNV) case in Colorado for 2016. The resident was not hospitalized. Infection likely occurred the last full week of May.
- Testing of mosquitoes for WNV will begin next week.
- Mosquito trap counts are at levels consistent with historic average.
- Five bats and three raccoons were tested for rabies this week with one bat testing positive.
- To date, three bats, one raccoon, and one skunk have tested positive for rabies.
- No specimens have been submitted for plague, tularemia, or hantavirus testing.

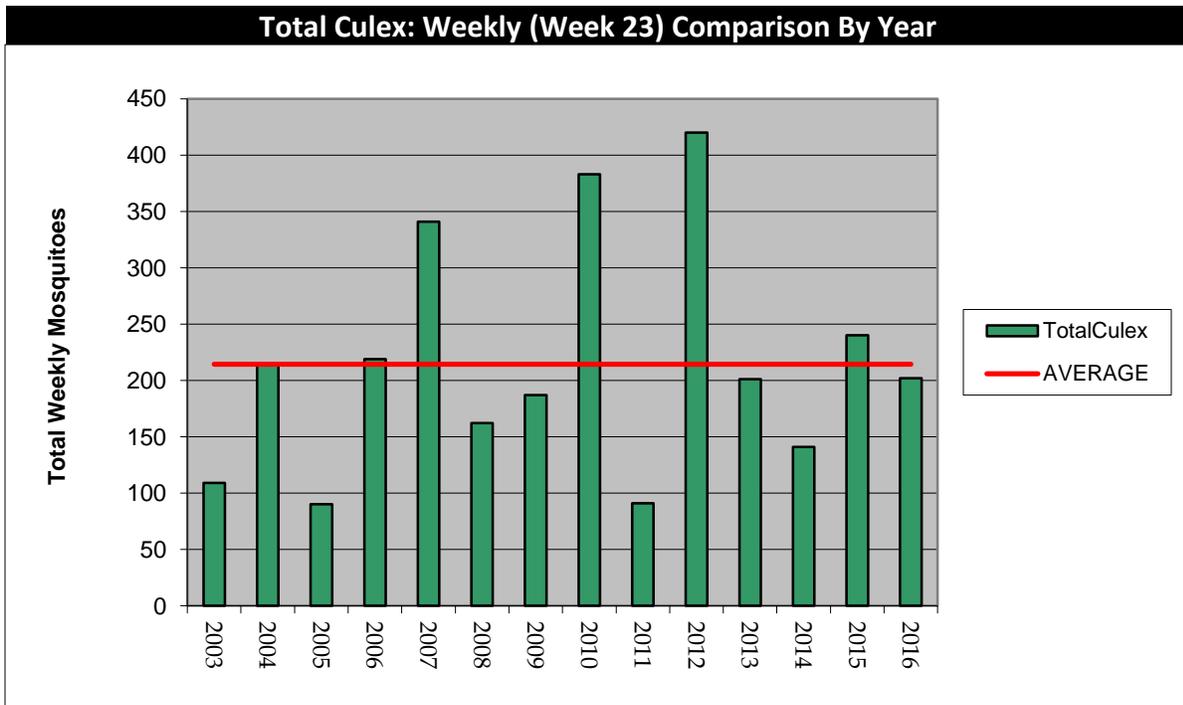
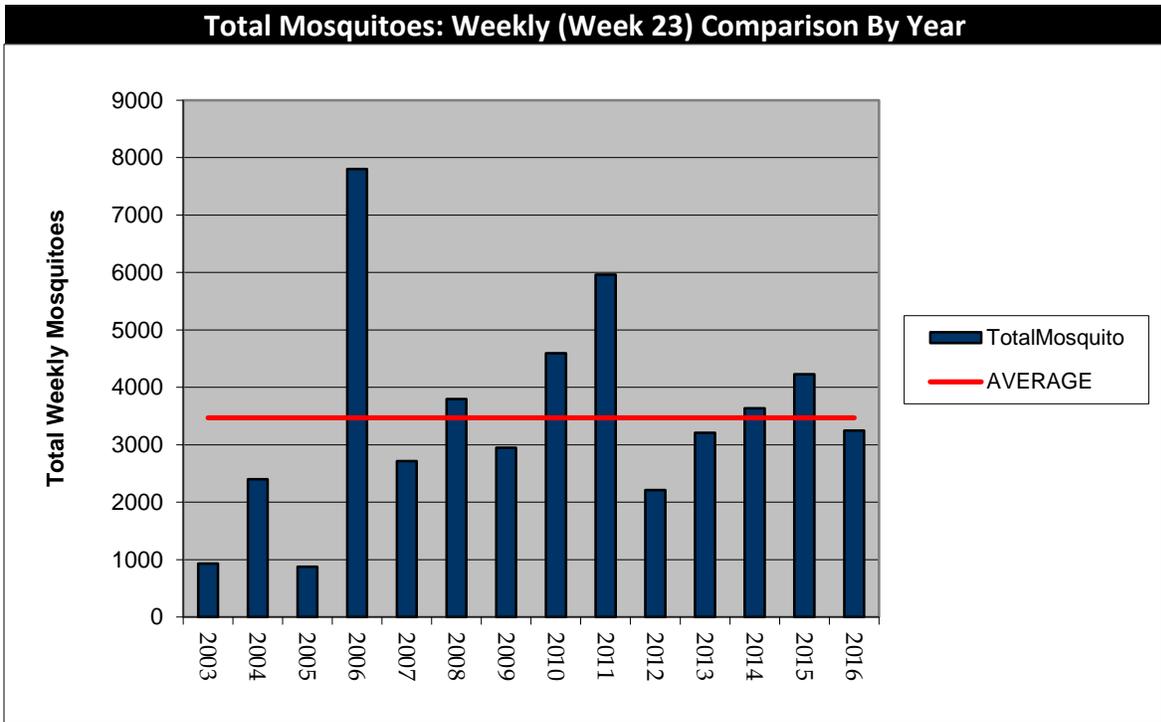
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 1 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in **red** signify an increase from the previous week.
*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District’s adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| Season Week | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | | | |
| Week 25 | | | |
| Week 26 | | | |
| Week 27 | | | |
| Week 28 | | | |
| Week 29 | | | |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

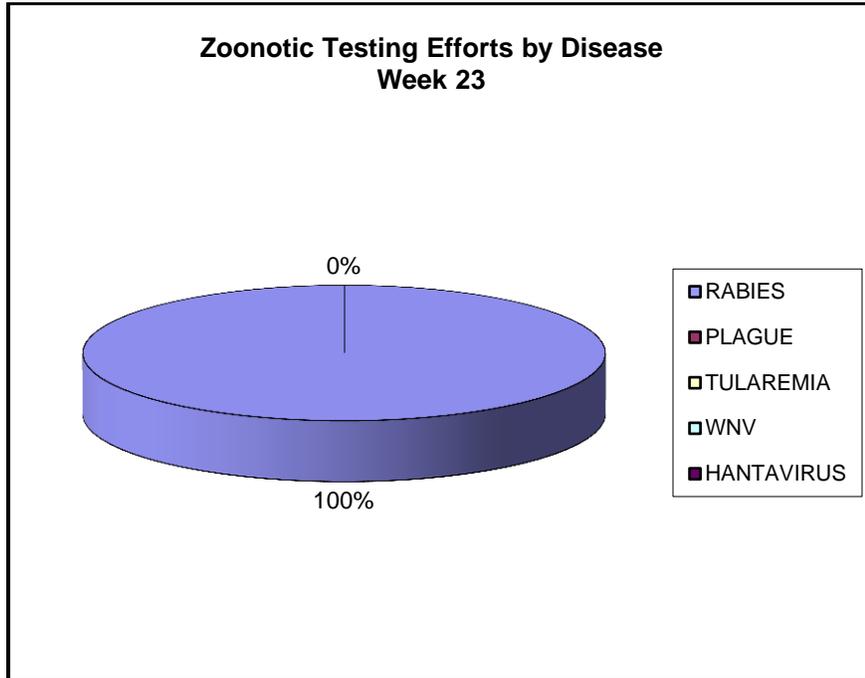
| SUBMITTED VECTORS | | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|--------|--------|-----------|-----------|-------------|-------|------------------|---------|------------|------------|--------------|-------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 8 | 0 | 0 | 0 | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | | | | | | | | | | | | |
| Wk25 | | | | | | | | | | | | |
| Wk26 | | | | | | | | | | | | |
| Wk27 | | | | | | | | | | | | |
| Wk28 | | | | | | | | | | | | |
| Wk29 | | | | | | | | | | | | |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 32 | 0 | 0 | 0 | 0 | 32 | 5 | 0 | 0 | 0 | 0 | 5 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|---|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 12 | 0 | 0 | 0 |
| Skunk | 1 | 0 | 0 | 0 |
| Raccoon | 15 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 1 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 32 | 0 | 0 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|---|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 3 | 0 | 0 | 0 |
| Skunk | 1 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 5 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report June 12 – June 18, 2016 (Week 24)

Executive Summary

- No additional cases of West Nile virus (WNV) in humans have been reported in Colorado for 2016. The Centers for Disease Control (CDC) has not updated national data for 2016.
- Testing of mosquitoes for WNV began this week. Seven samples were submitted with results pending.
- Mosquito trap counts are slightly below historic average levels.
- One bat and two raccoons were tested for rabies this week with no positive results.
- One rabbit tested negative for tularemia after last week’s report was submitted, season totals have been updated for Week 23.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

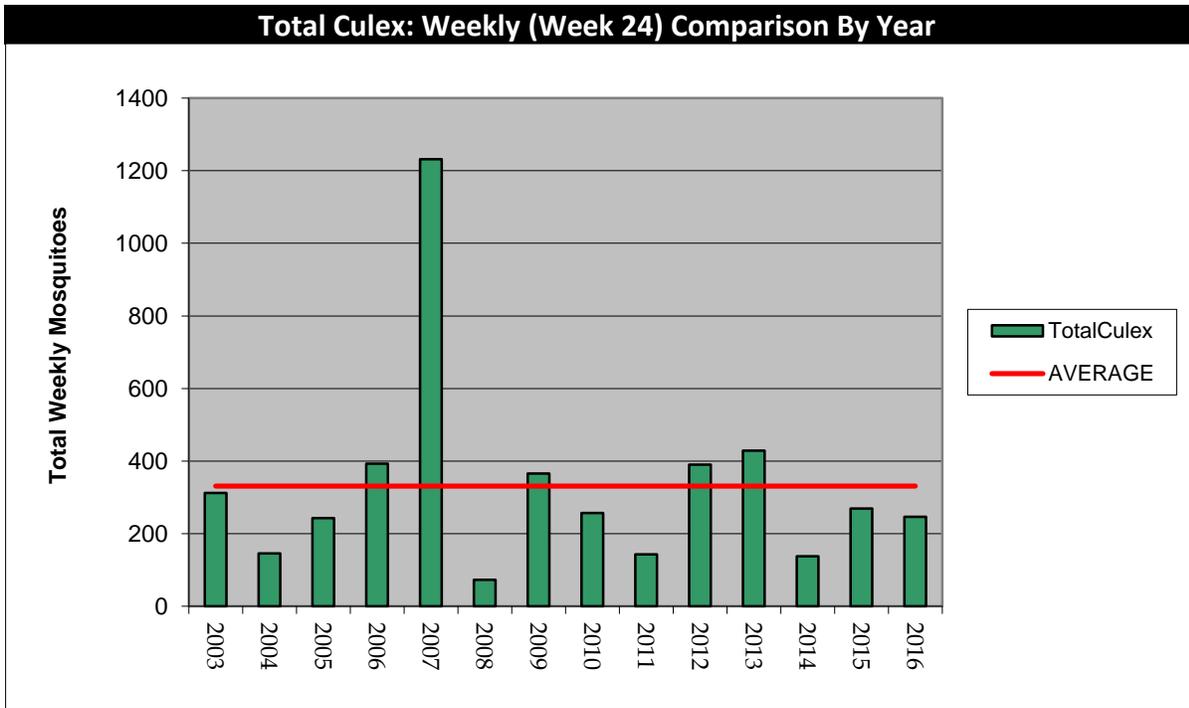
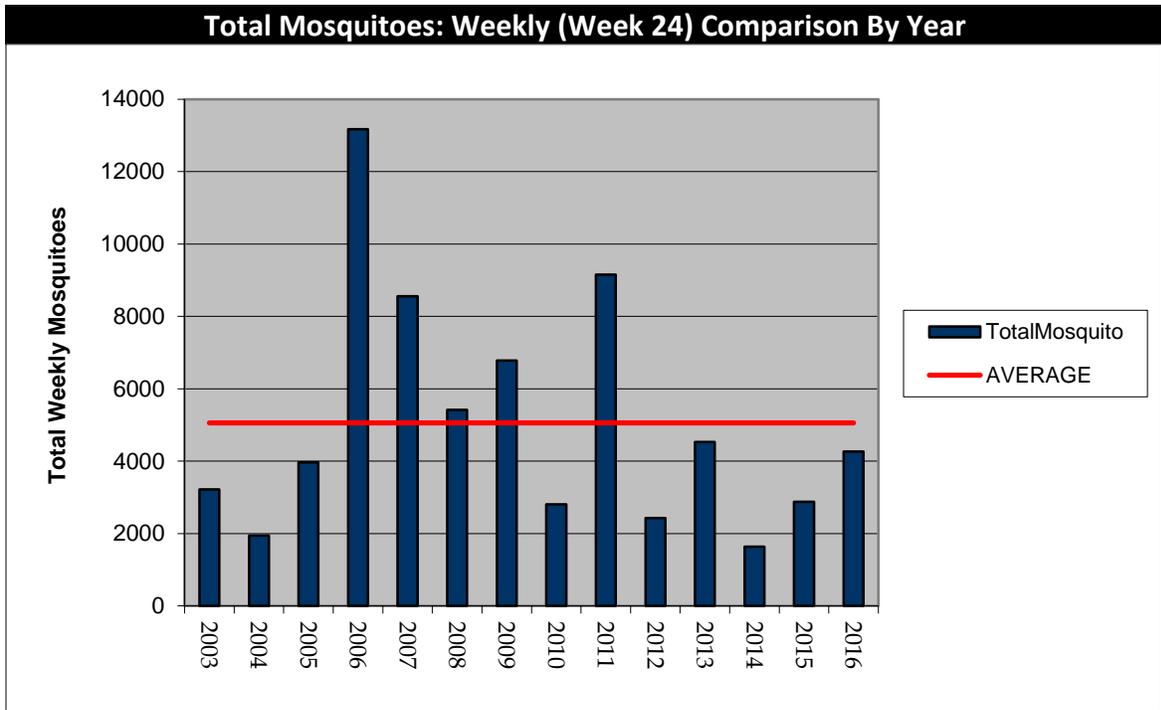
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|------------------------------------|--------------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 1 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in **red** signify an increase from the previous week.

*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District’s adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|----------------|----------------|----------------|
| Season Week | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | Pending | Pending | Pending |
| Week 25 | | | |
| Week 26 | | | |
| Week 27 | | | |
| Week 28 | | | |
| Week 29 | | | |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

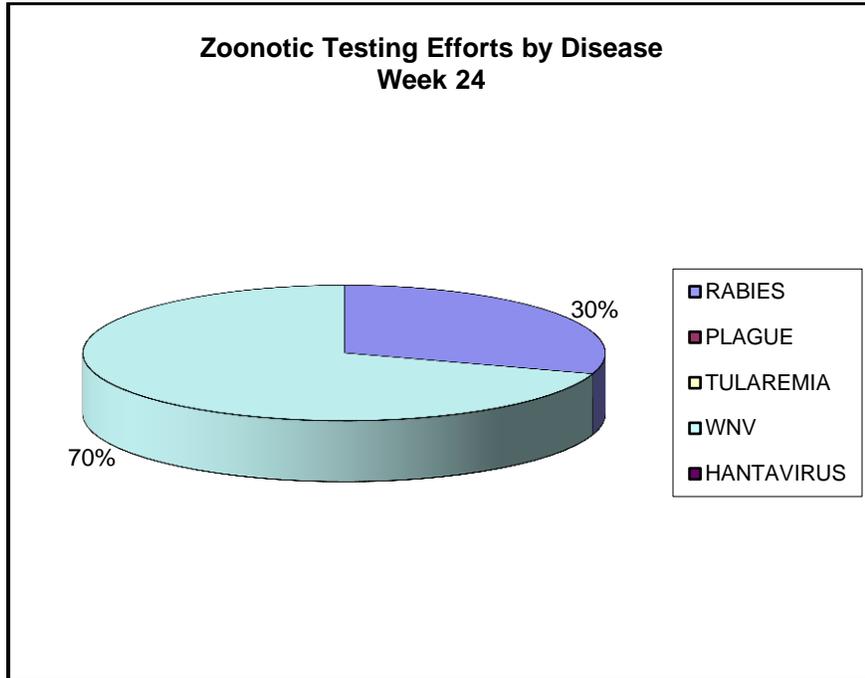
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|----------|-----------|-----------|-------------|-----------|------------------|----------|------------|------------|--------------|----------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | | | | | | | | | | | | |
| Wk26 | | | | | | | | | | | | |
| Wk27 | | | | | | | | | | | | |
| Wk28 | | | | | | | | | | | | |
| Wk29 | | | | | | | | | | | | |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 37 | 0 | 1 | 7 | 0 | 45 | 5 | 0 | 0 | 0 | 0 | 5 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|---|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 14 | 0 | 0 | 0 |
| Skunk | 1 | 0 | 0 | 0 |
| Raccoon | 17 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 2 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 1 | 0 |
| TOTALS | 37 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|---|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 3 | 0 | 0 | 0 |
| Skunk | 1 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 5 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report June 19 – June 25, 2016 (Week 25)

Executive Summary

- No additional cases of West Nile virus (WNV) in humans have been reported in Colorado for 2016. The Centers for Disease Control (CDC) has not updated national data for 2016.
- Seven samples were submitted for WNV testing this week. All results were negative. All samples submitted last week were negative.
- Mosquito trap counts are higher than historic average levels. Total mosquito counts are unusually high due to high localized trap activity.
- One skunk was tested for rabies this week, testing positive. All other specimens tested negative.
- A Fort Collins resident hospitalized for tularemia was released from the hospital this week. The patient was admitted to the hospital two weeks ago.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

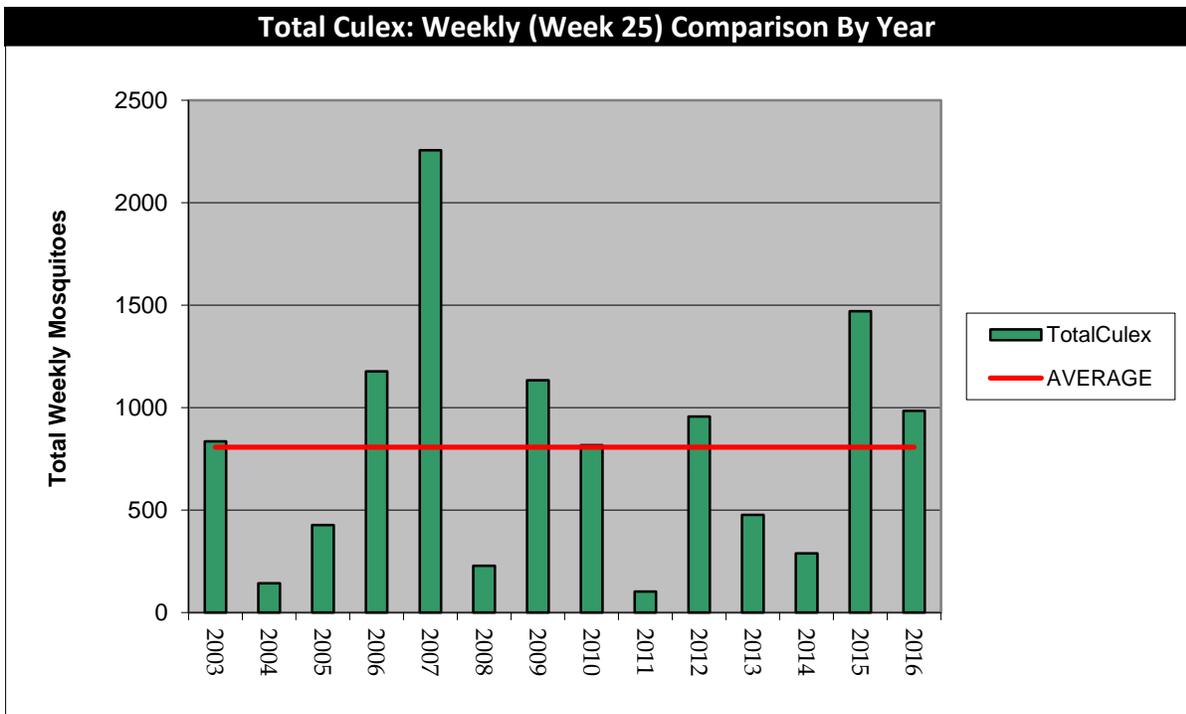
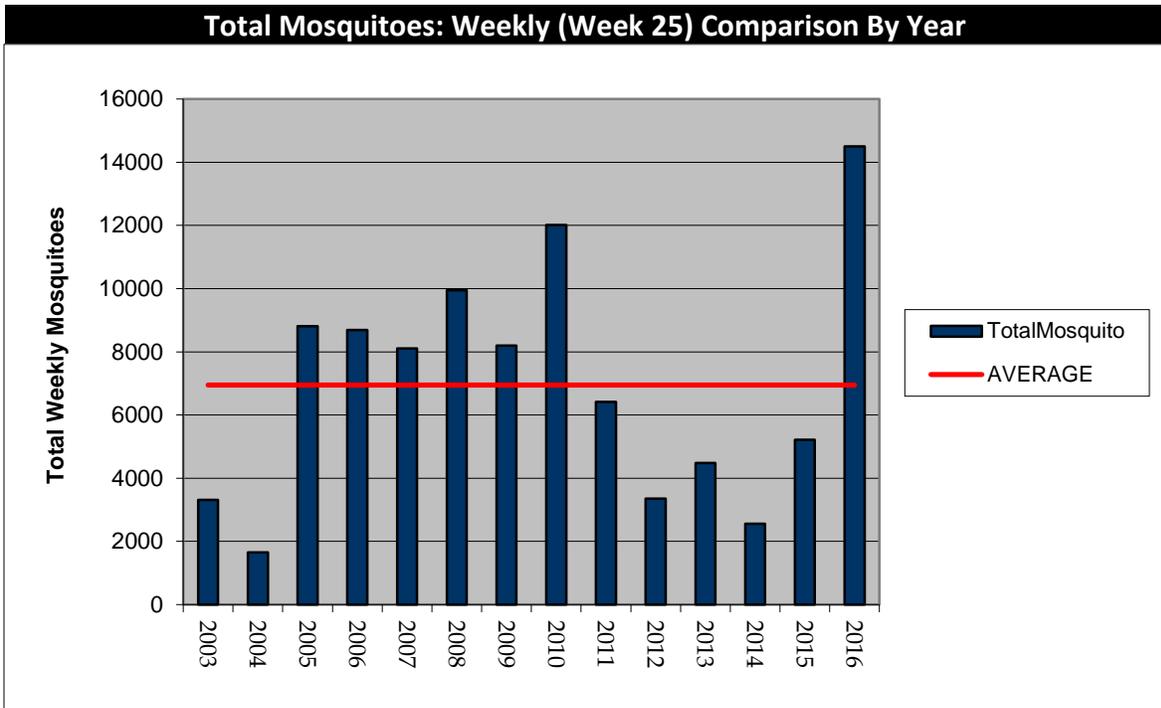
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|------------------------------------|--------------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 1 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in **red** signify an increase from the previous week.

*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District’s adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|----------------|----------------|----------------|
| Season Week | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | <i>Pending</i> | <i>Pending</i> | <i>Pending</i> |
| Week 25 | <i>Pending</i> | <i>Pending</i> | <i>Pending</i> |
| Week 26 | | | |
| Week 27 | | | |
| Week 28 | | | |
| Week 29 | | | |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

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Submissions and Results by Disease

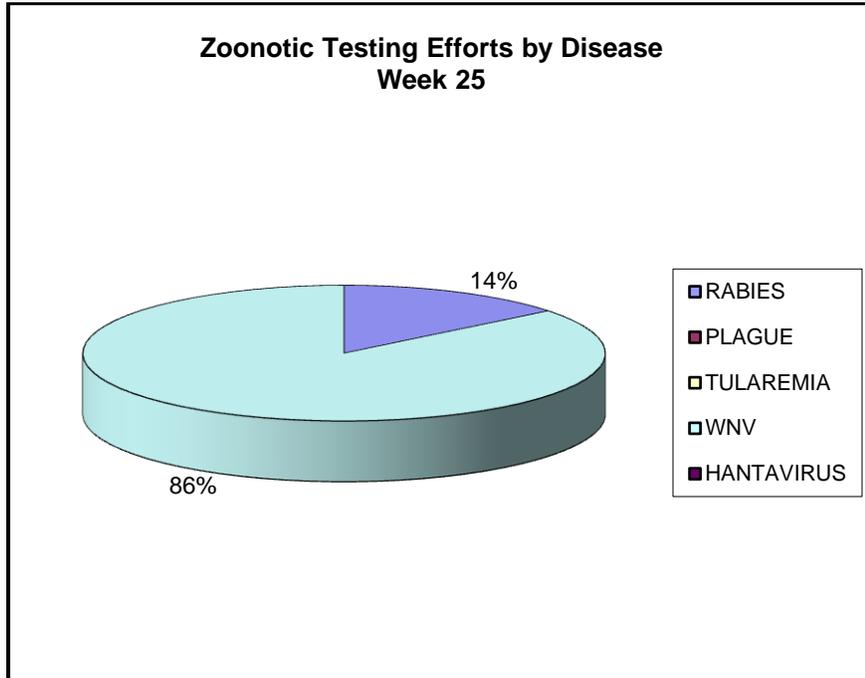
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|----------|-----------|-----------|-------------|-----------|------------------|----------|------------|------------|--------------|----------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 1 | 0 | 0 | 6 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | | | | | | | | | | | | |
| Wk27 | | | | | | | | | | | | |
| Wk28 | | | | | | | | | | | | |
| Wk29 | | | | | | | | | | | | |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 38 | 0 | 1 | 13 | 0 | 52 | 6 | 0 | 0 | 0 | 0 | 6 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|---|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 14 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 17 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 2 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 1 | 0 |
| TOTALS | 38 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|---|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 3 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 6 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report June 26 – July 02, 2016 (Week 26)

Executive Summary

- No additional cases of West Nile virus (WNV) in humans have been reported in Colorado for 2016. The Centers for Disease Control (CDC) has not updated national data for 2016.
- Eight samples were submitted for WNV testing this week. All results were negative. No positive samples have been identified thus far in Colorado.
- Mosquito trap counts for Week 26 are moderately higher than historic average levels. Total mosquito counts are unusually high due to high localized trap activity.
- Six bats and one raccoon were tested for rabies this week. One bat tested positive and all other specimens tested negative.

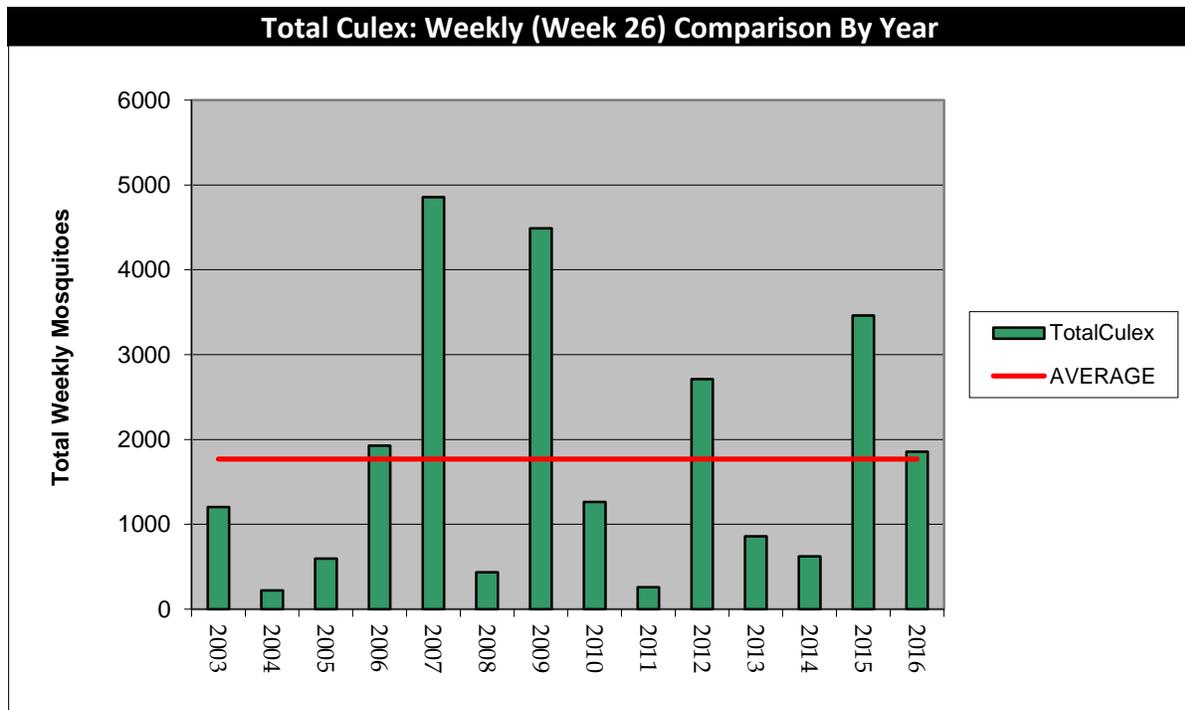
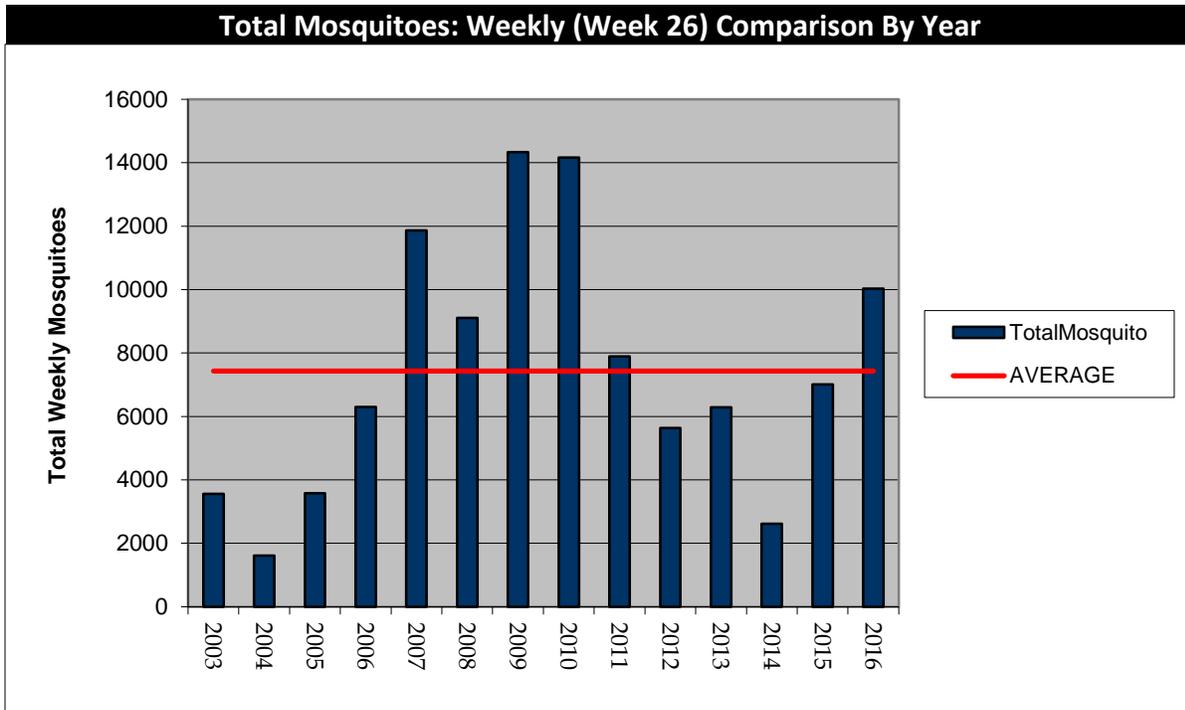
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West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|------------------------------------|--------------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 1 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in **red** signify an increase from the previous week.
*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

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NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| Season Week | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | | | |
| Week 28 | | | |
| Week 29 | | | |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

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Submissions and Results by Disease

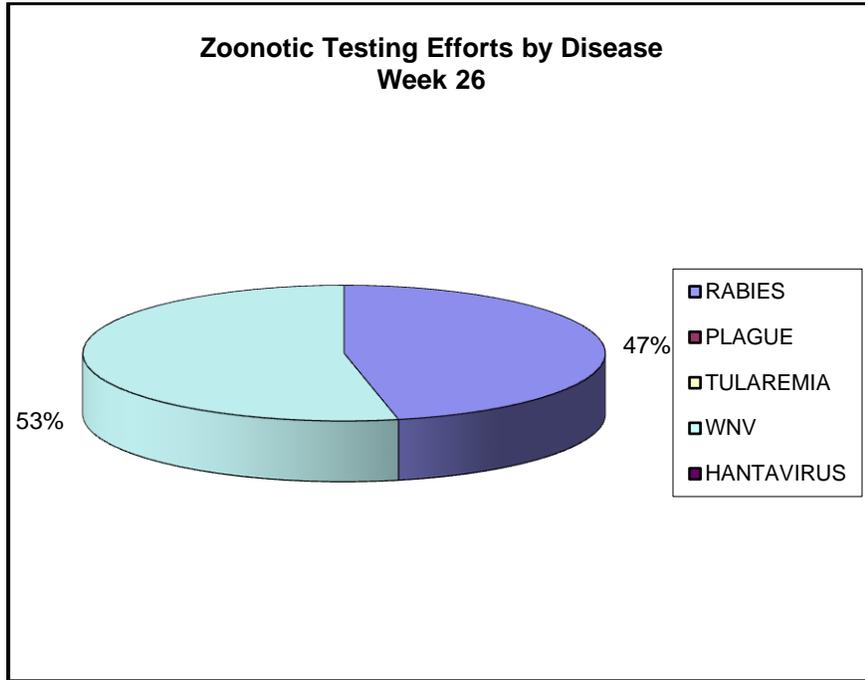
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|--------|-----------|-----------|-------------|-------|------------------|---------|------------|------------|--------------|-------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 1 | 0 | 0 | 6 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 7 | 0 | 0 | 8 | 0 | 15 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | | | | | | | | | | | | |
| Wk28 | | | | | | | | | | | | |
| Wk29 | | | | | | | | | | | | |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 45 | 0 | 1 | 21 | 0 | 67 | 7 | 0 | 0 | 0 | 0 | 7 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|---|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 20 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 18 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 2 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 1 | 0 |
| TOTALS | 45 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|---|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 4 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 7 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report July 03 – July 09, 2016 (Week 26)

Executive Summary

- To date, only one human West Nile virus (WNV) case has been reported statewide from Larimer County.
- To date, only one WNV positive mosquito pool has been reported statewide from Larimer County.
- Mosquito counts for the week are slightly below average; however, limited trapping was performed this week due to the 4th of July holiday.
- One coyote, one raccoon, and one cat were submitted for rabies testing, all testing negative.
- To date, 56 specimens have been submitted for rabies testing with seven testing positive. This compares with last year at this time with 49 specimens submitted and five positives.
- No specimens were submitted for plague, tularemia or hantavirus.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

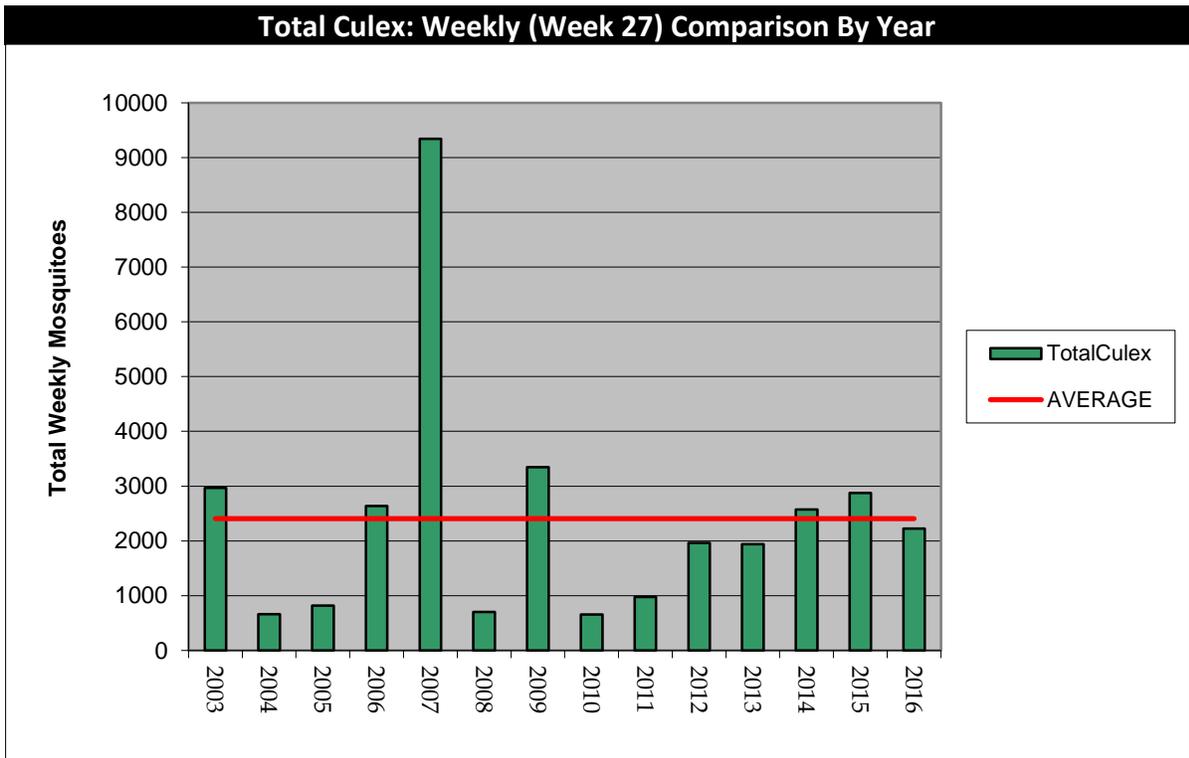
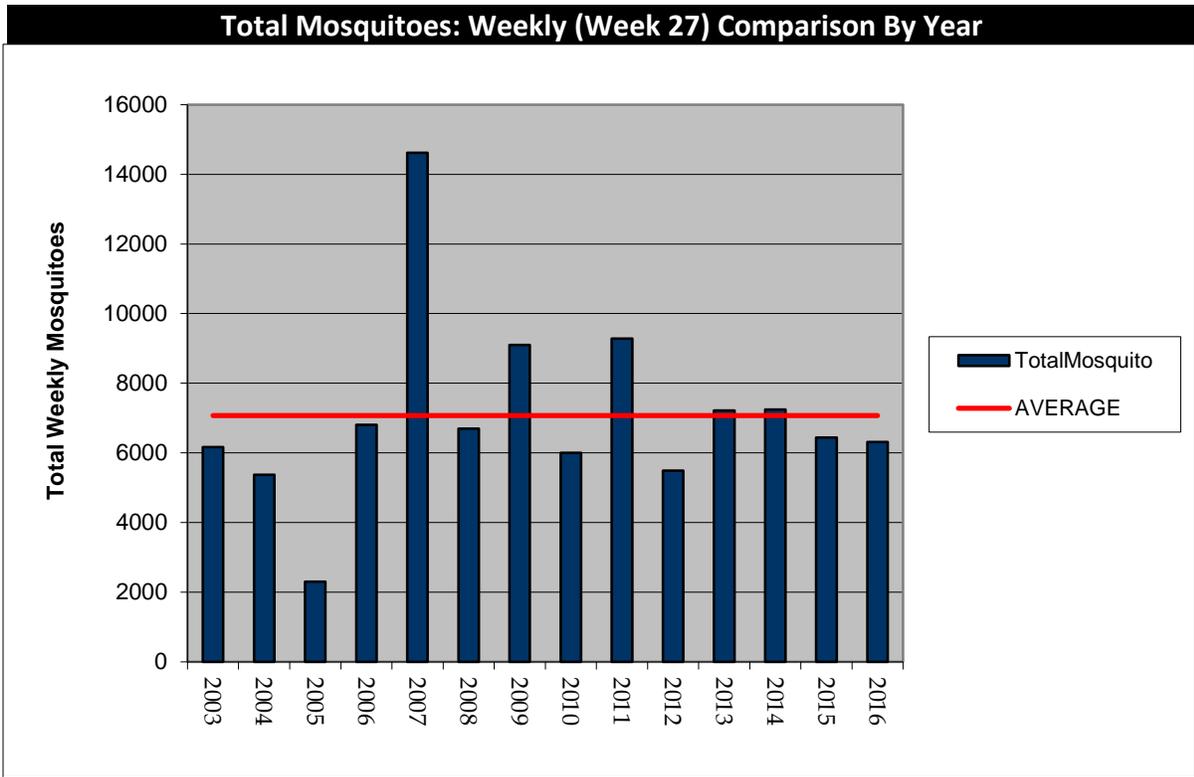
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 1 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in red signify an increase from the previous week.

*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | Pending | Pending | Pending |
| Week 28 | | | |
| Week 29 | | | |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

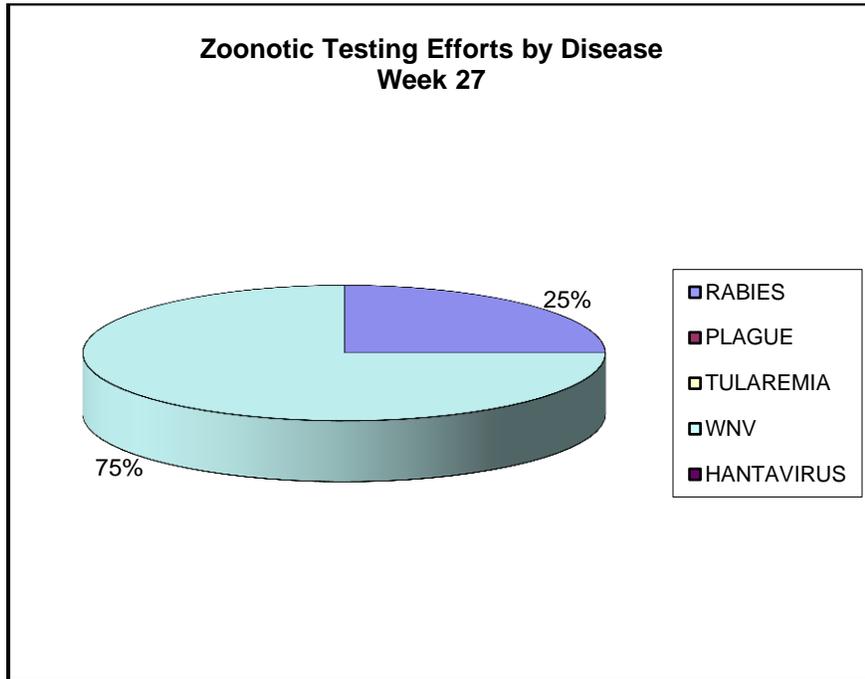
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|--------|-----------|-----------|-------------|-------|------------------|---------|------------|------------|--------------|-------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 3 | 0 | 0 | 9 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | | | | | | | | | | | | |
| Wk29 | | | | | | | | | | | | |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 56 | 0 | 1 | 35 | 0 | 92 | 7 | 0 | 0 | 0 | 0 | 7 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 25 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 22 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 56 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 4 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 7 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report July 10 – July 16, 2016 (Week 28)

Executive Summary

- Boulder County has confirmed its first West Nile virus positive mosquito pool. The sample was taken from the McIntosh Lake area in NW Longmont.
- Statewide, nine positive mosquito pools have been identified from Boulder (1), Larimer (4), and Weld (4) Counties.
- Three human WNV cases have been reported in Colorado from Bent County, Douglas County, and Larimer County.
- Five bats were tested for rabies all testing negative. Three bats were deemed unsuitable for testing.
- No specimens were submitted for plague, tularemia or hantavirus.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

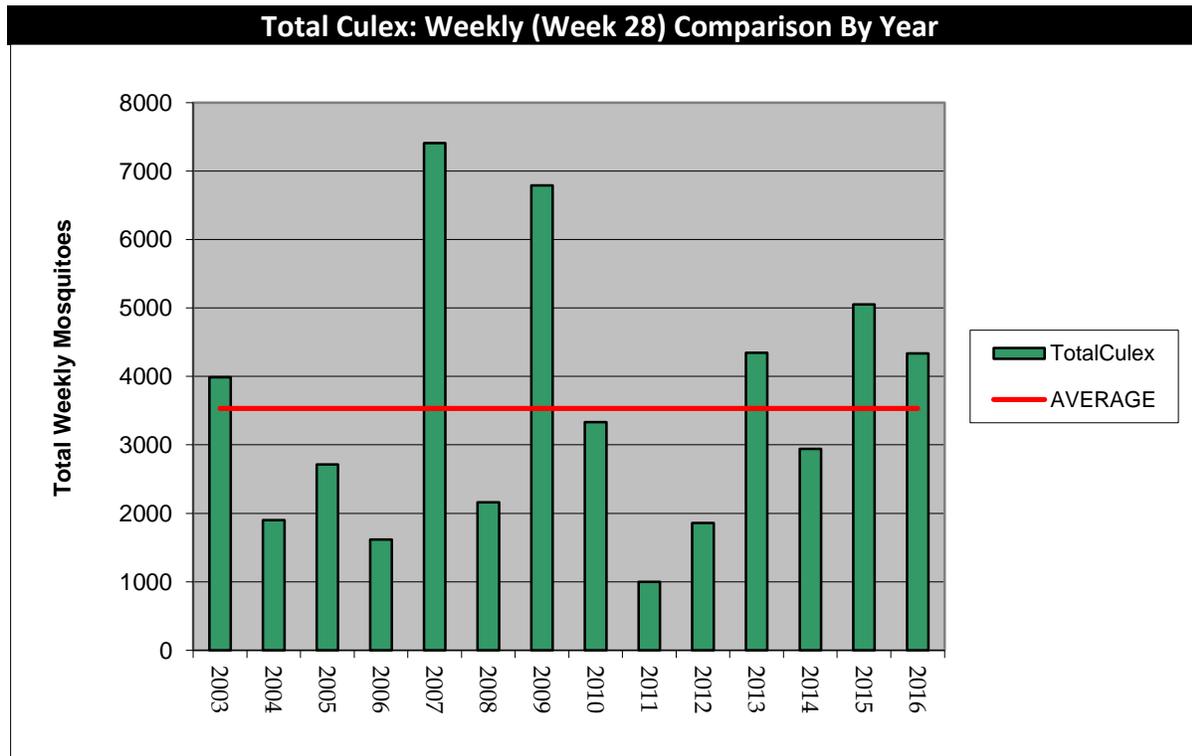
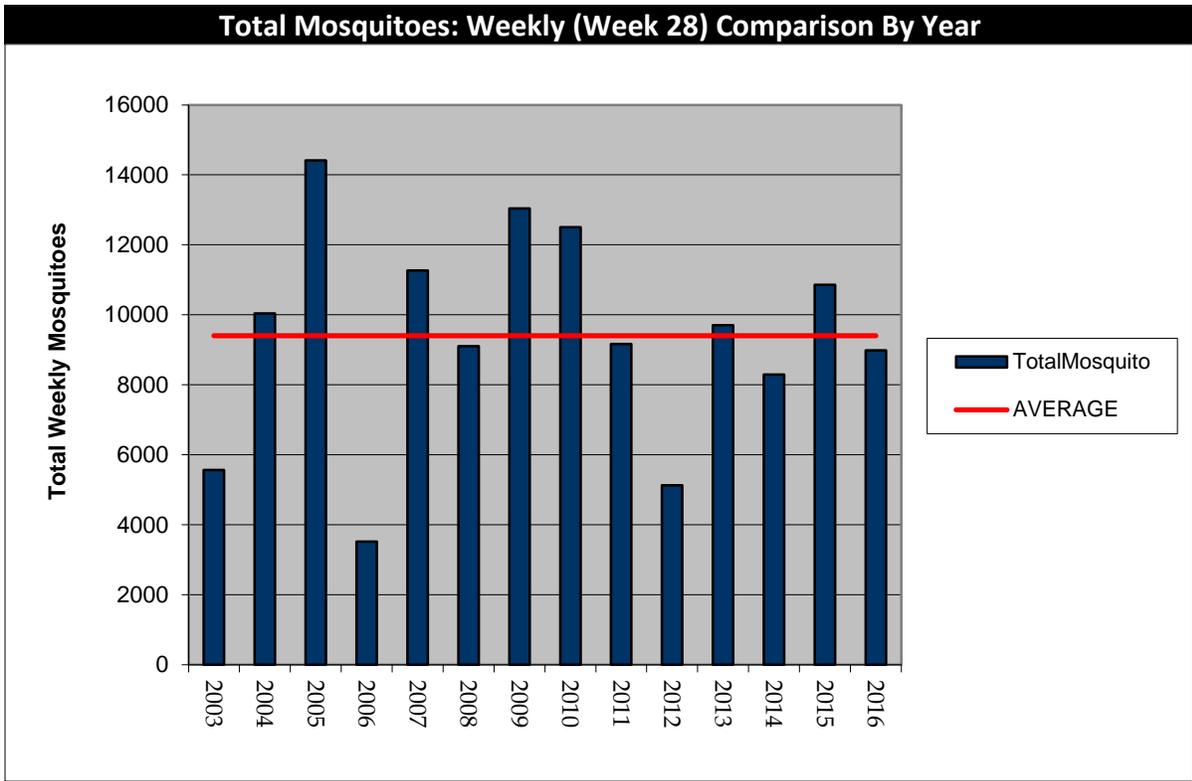
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 3 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in **red** signify an increase from the previous week.

*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | | | |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

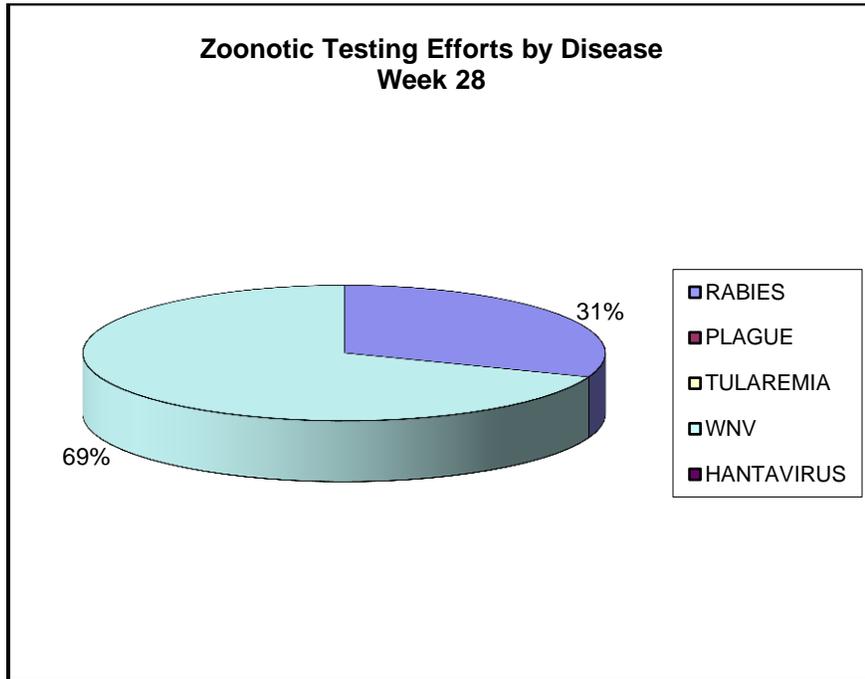
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|----------|-----------|-----------|-------------|------------|------------------|----------|------------|------------|--------------|----------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 0 |
| Wk29 | | | | | | | | | | | | |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 66 | 0 | 1 | 53 | 0 | 120 | 7 | 0 | 0 | 1 | 0 | 7 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 35* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 22 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 66 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 4 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 7 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report July 17 – July 23, 2016 (Week 29)

Executive Summary

- Boulder County had three West Nile virus positive mosquito pools – two from Zone 2 (Longmont) and one from Zone 3 (Louisville, Lafayette, Erie and Superior). The Zone 3 positive was a mixed pool from Louisville and Lafayette traps.
- Statewide, eighteen positive mosquito pools have been identified from: Weld (8), Boulder (4), Larimer (4), Arapahoe (1) and Mesa (1) Counties.
- Three bats and one raccoon were tested for rabies. One bat specimen tested positive.
- No specimens were submitted for plague, tularemia or hantavirus.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

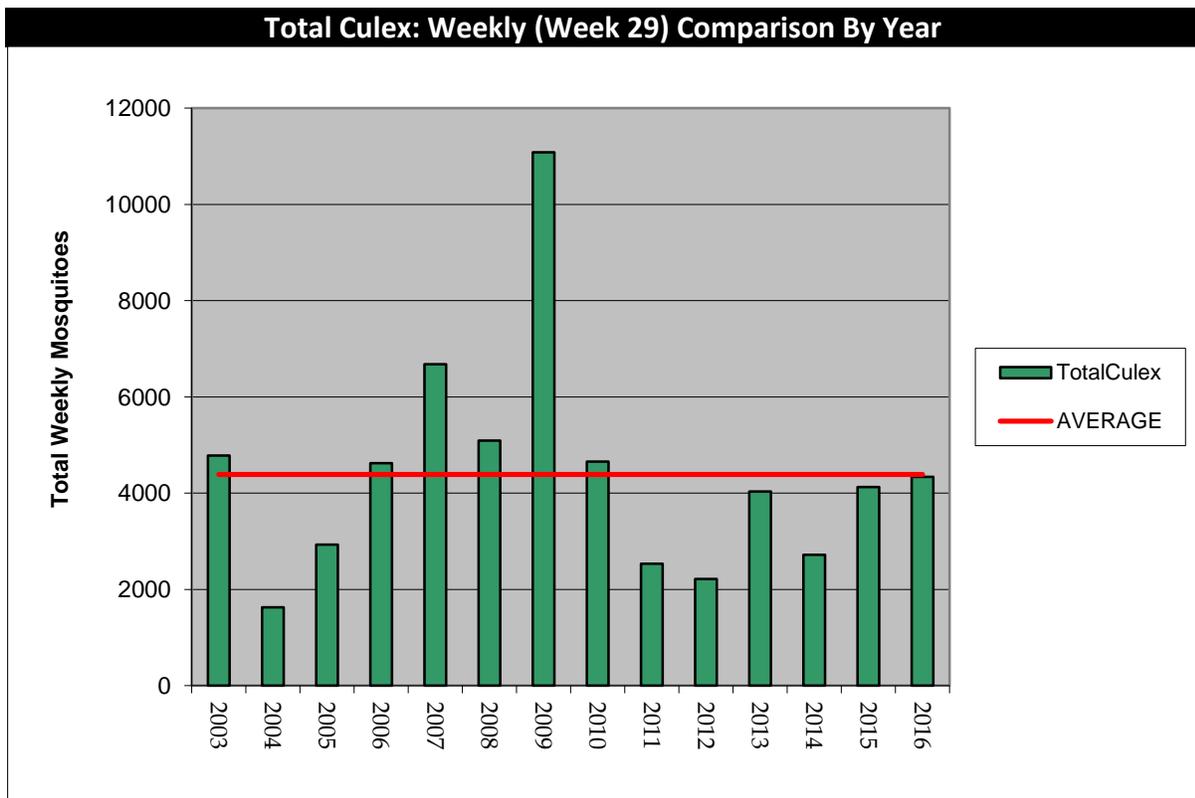
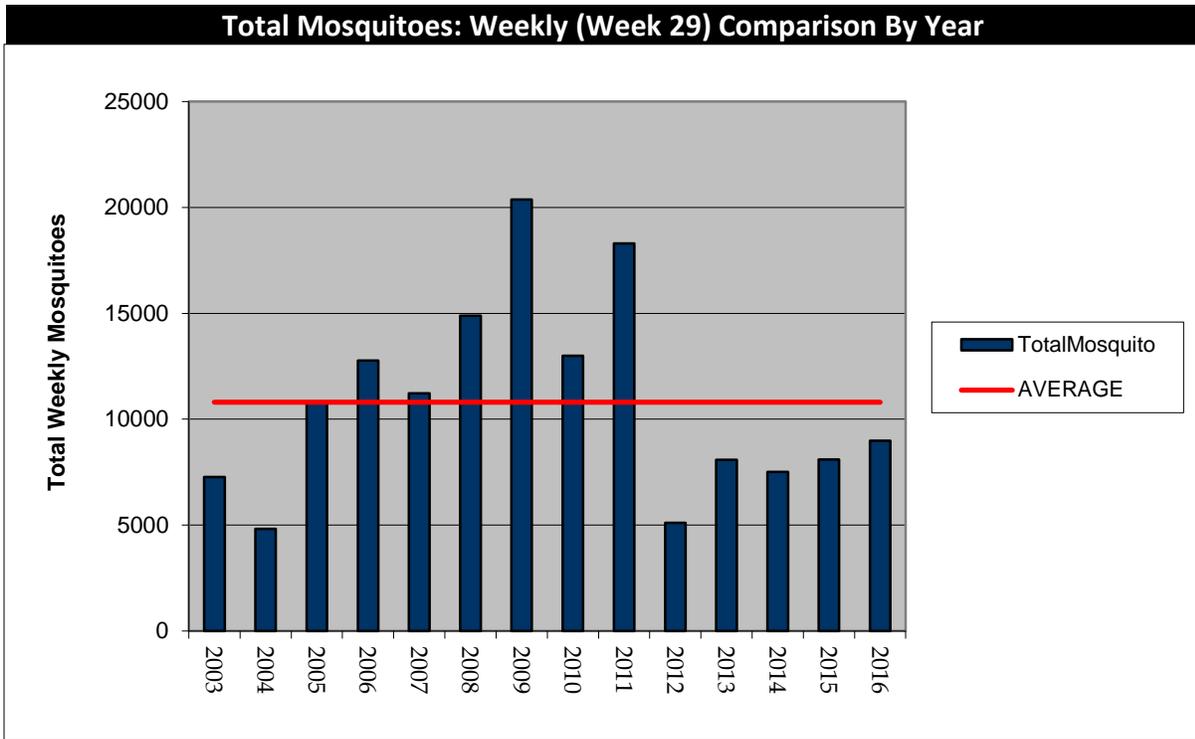
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 3 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in **red** signify an increase from the previous week.

*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | 0.00 | 0.00 | 0.00 |
| Week 22 | 0.00 | 0.00 | 0.00 |
| Week 23 | 0.00 | 0.00 | 0.00 |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | Pending | 0.36 | Pending |
| Week 30 | | | |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

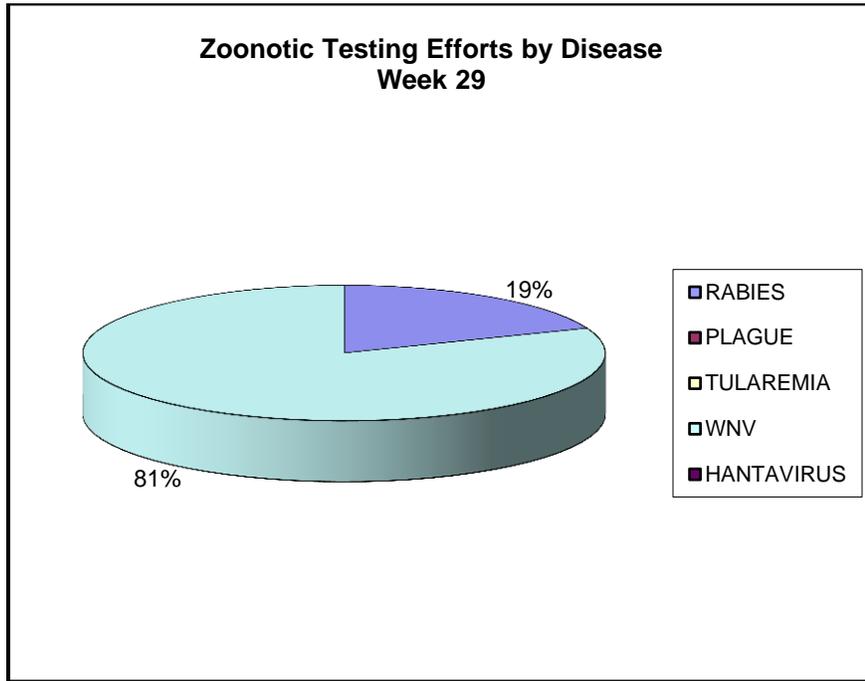
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|--------|-----------|-----------|-------------|-------|------------------|---------|------------|------------|--------------|-------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 4 | 0 | 0 | 17 | 0 | 21 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | | | | | | | | | | | | |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 70 | 0 | 1 | 70 | 0 | 141 | 8 | 0 | 0 | 4 | 0 | 12 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 38* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 23 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 70 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 5 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 8 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report July 24 – July 30, 2016 (Week 30)

Executive Summary

- No additional WNV positive mosquito pools have been identified in Boulder County. Results are pending for several samples submitted this week.
- Statewide, eighteen positive mosquito pools have been identified from: Weld (8), Boulder (4), Larimer (4), Arapahoe (1) and Mesa (1) Counties. Additionally, one raptor tested positive from Weld County.
- No human cases of WNV are reported for Boulder County.
- Four cases of Zika virus transmitted by mosquitoes are being reported in Miami, FL. This is believed to be the first domestic transmission of the virus by mosquitoes.
- Four bats were submitted for rabies testing. One tested negative; results are pending on the remaining three.
- No specimens were submitted for plague, tularemia or hantavirus.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

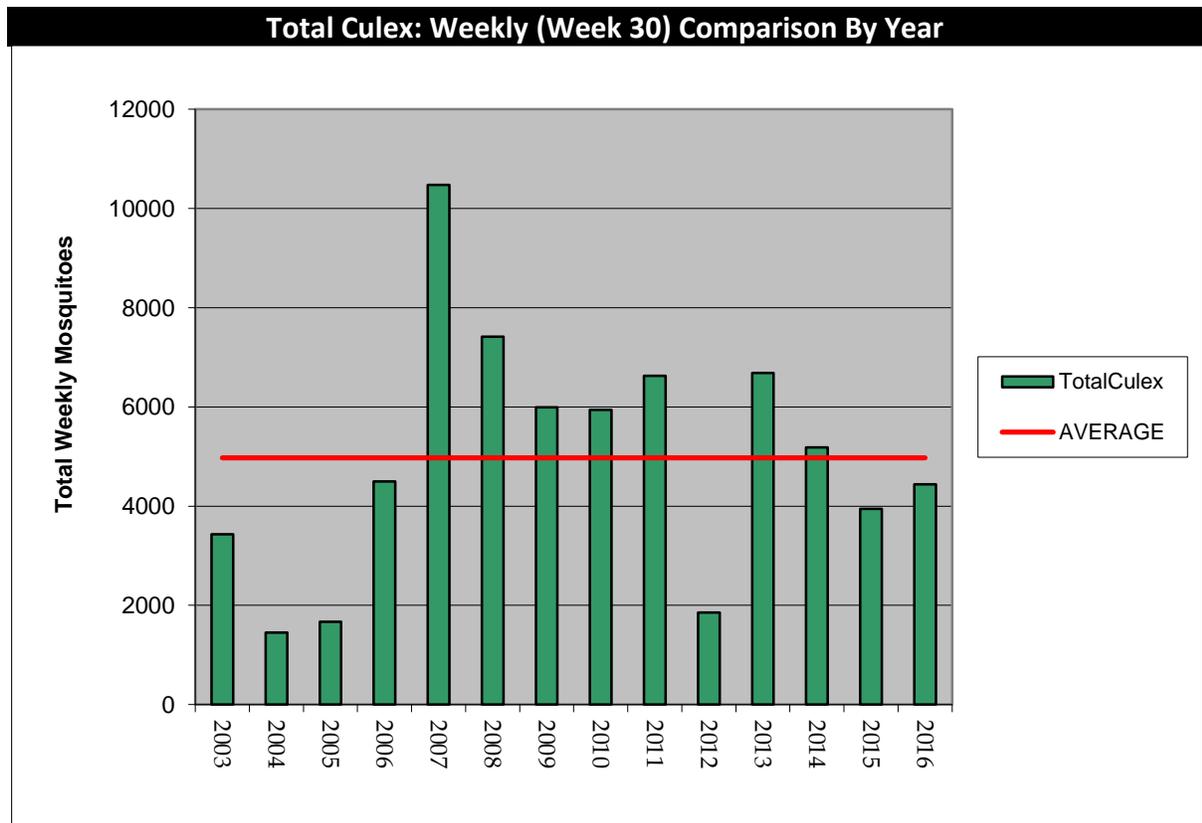
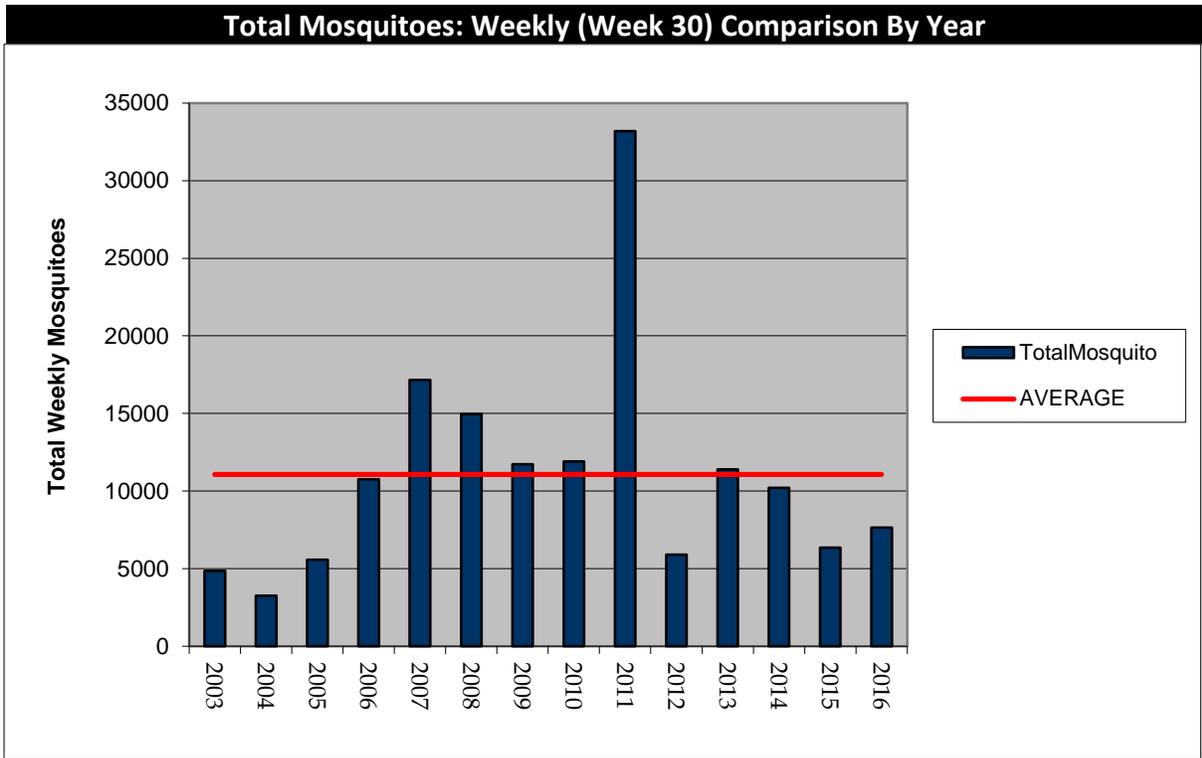
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 0 | 0 | 0 |
| Colorado | 4 | 0 | 0 |
| United States | *** | *** | *** |

NOTE: Numbers in red signify an increase from the previous week.

*** Indicates incomplete data

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | 0.00 | 0.00 | 0.00 |
| Week 22 | 0.00 | 0.00 | 0.00 |
| Week 23 | 0.00 | 0.00 | 0.00 |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | 0.00 | 0.36 | 0.34 |
| Week 30 | Pending | Pending | Pending |
| Week 31 | | | |
| Week 32 | | | |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

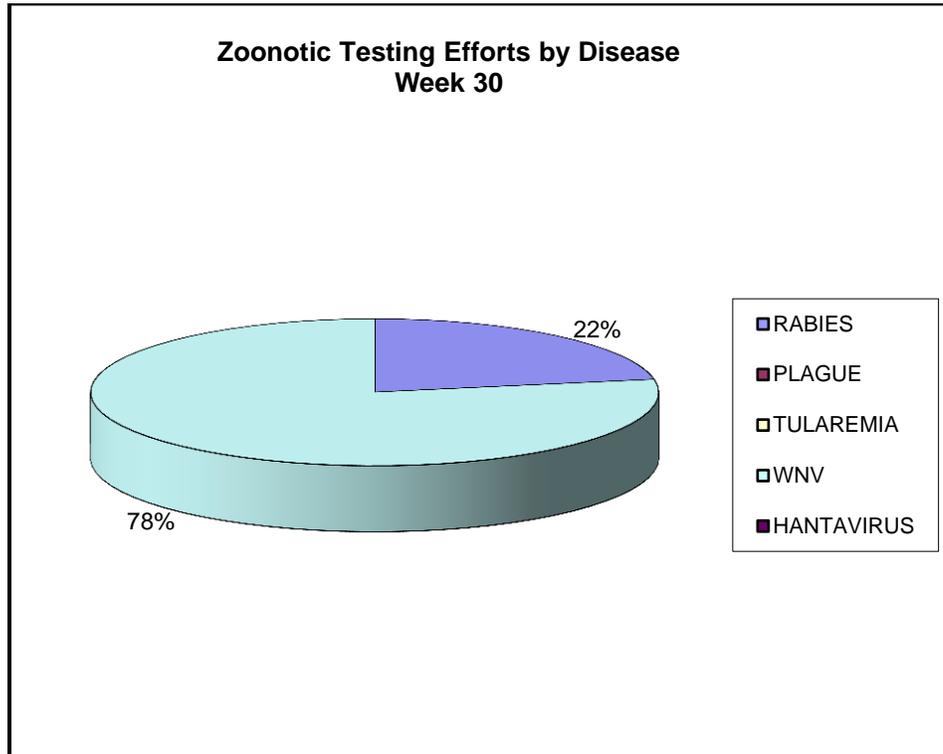
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|----------|-----------|-----------|-------------|------------|------------------|----------|------------|------------|--------------|-----------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 5 | 0 | 0 | 17 | 0 | 22 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | 4 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk31 | | | | | | | | | | | | |
| Wk32 | | | | | | | | | | | | |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 75 | 0 | 1 | 84 | 0 | 160 | 8 | 0 | 0 | 4 | 0 | 12 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 43* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 23 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 75 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 5 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 8 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report August 7 – August 13, 2016 (Week 32)

Executive Summary

- Three WNV positive cases have been identified in Boulder County - a 74-year-old Lafayette woman, a 47-year-old north Boulder man, and a 13-year-old Longmont boy.
- CDPHE reports 13 WNV cases and one death statewide.
- While total mosquito counts remain near average, *Culex* mosquitoes remain above average for this week. Based on risk calculations, an elevated risk of WNV transmission is present in the Longmont area, however, risk remains present countywide.
- CDC reports 139 human cases nationwide from 27 states with one death (Colorado).
- Three bats and one raccoon were submitted for rabies testing, all testing negative.
- No specimens were submitted for plague, tularemia or hantavirus.

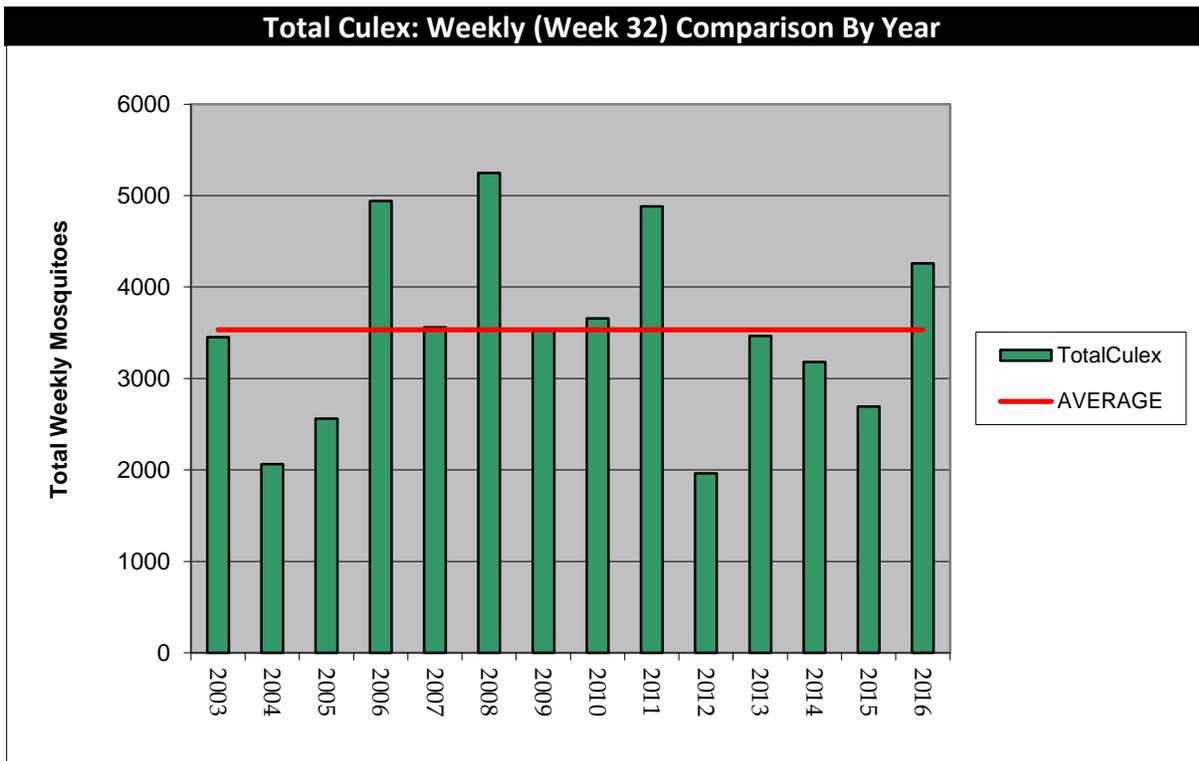
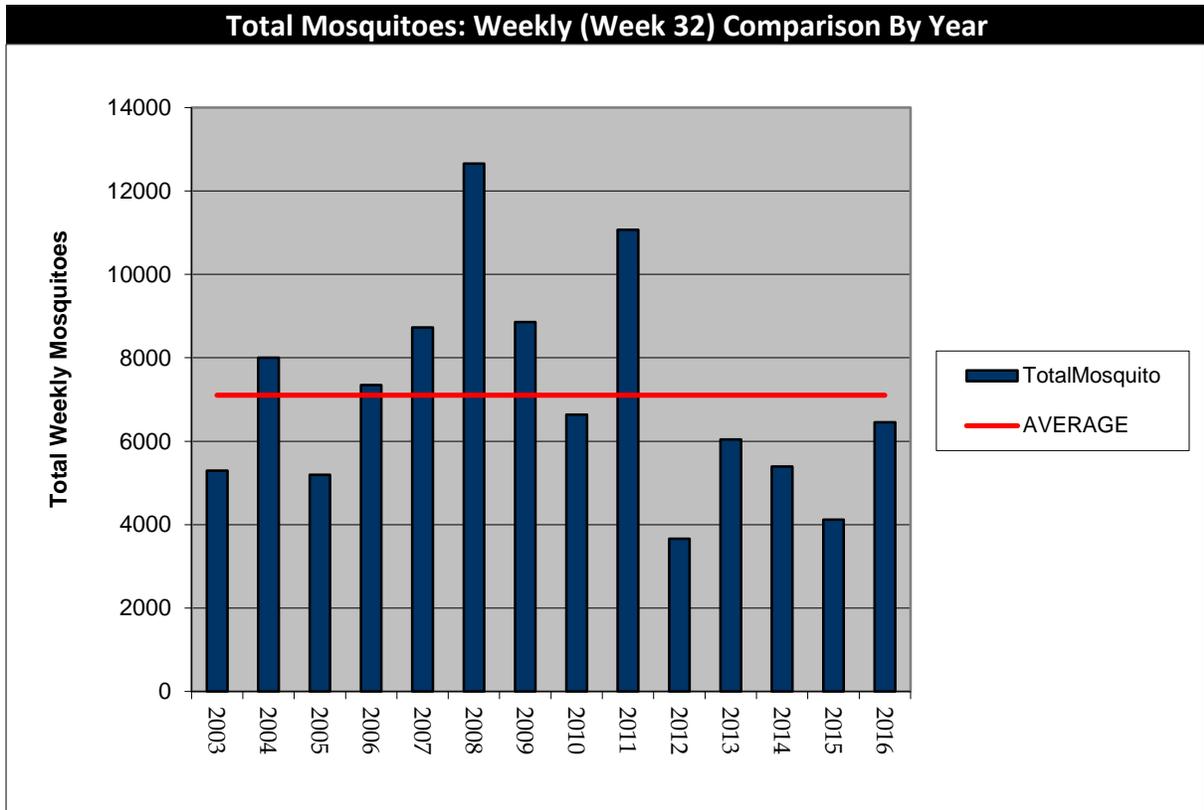
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 3 | 0 | 0 |
| Colorado | 9 | 4 | 1 |
| United States | 76 | 63 | 1 |

NOTE: Numbers in red signify an increase from the previous week.

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | 0.00 | 0.00 | 0.00 |
| Week 22 | 0.00 | 0.00 | 0.00 |
| Week 23 | 0.00 | 0.00 | 0.00 |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | 0.00 | 0.36 | 0.34 |
| Week 30 | 0.19 | 0.00 | 0.00 |
| Week 31 | 0.00 | 0.53 | 0.20 |
| Week 32 | Pending | 1.01 | Pending |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

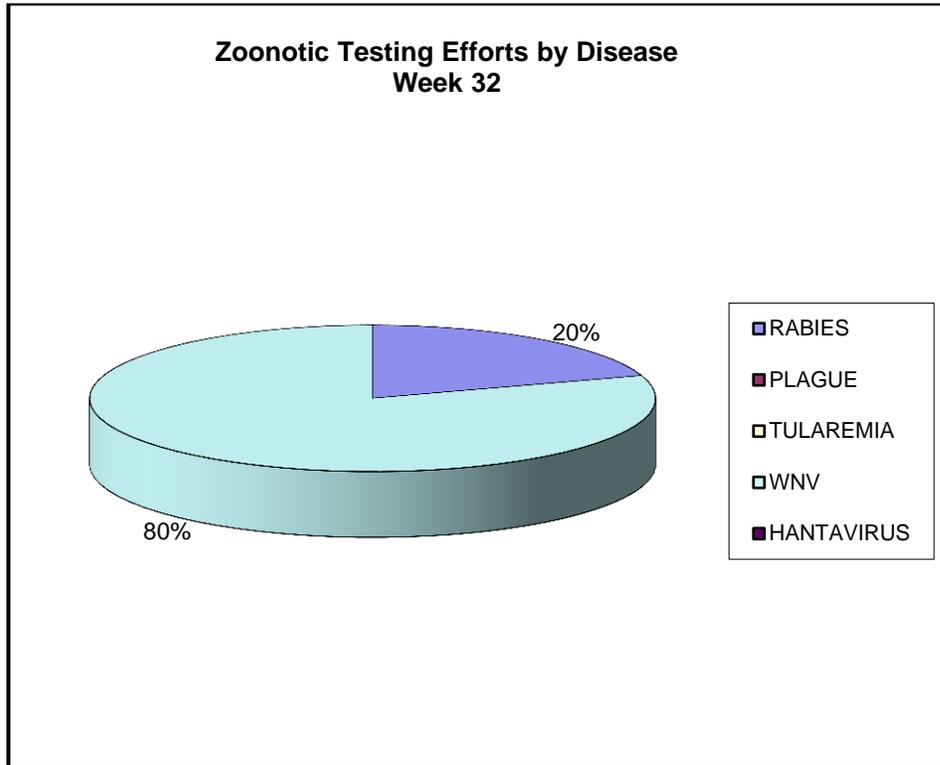
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|----------|-----------|------------|-------------|------------|------------------|----------|------------|------------|--------------|-----------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 5 | 0 | 0 | 17 | 0 | 22 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | 4 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk31 | 5 | 0 | 0 | 19 | 0 | 24 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk32 | 4 | 0 | 0 | 16 | 0 | 20 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 84 | 0 | 1 | 119 | 0 | 204 | 8 | 0 | 0 | 11 | 0 | 19 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 51* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 24 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 84 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 5 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 8 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report August 7 – August 13, 2016 (Week 32)

Executive Summary

- Three WNV positive cases have been identified in Boulder County - a 74-year-old Lafayette woman, a 47-year-old north Boulder man, and a 13-year-old Longmont boy.
- CDPHE reports 13 WNV cases and one death statewide.
- While total mosquito counts remain near average, *Culex* mosquitoes remain above average for this week. Based on risk calculations, an elevated risk of WNV transmission is present in the Longmont area, however, risk remains present countywide.
- CDC reports 139 human cases nationwide from 27 states with one death (Colorado).
- Three bats and one raccoon were submitted for rabies testing, all testing negative.
- No specimens were submitted for plague, tularemia or hantavirus.

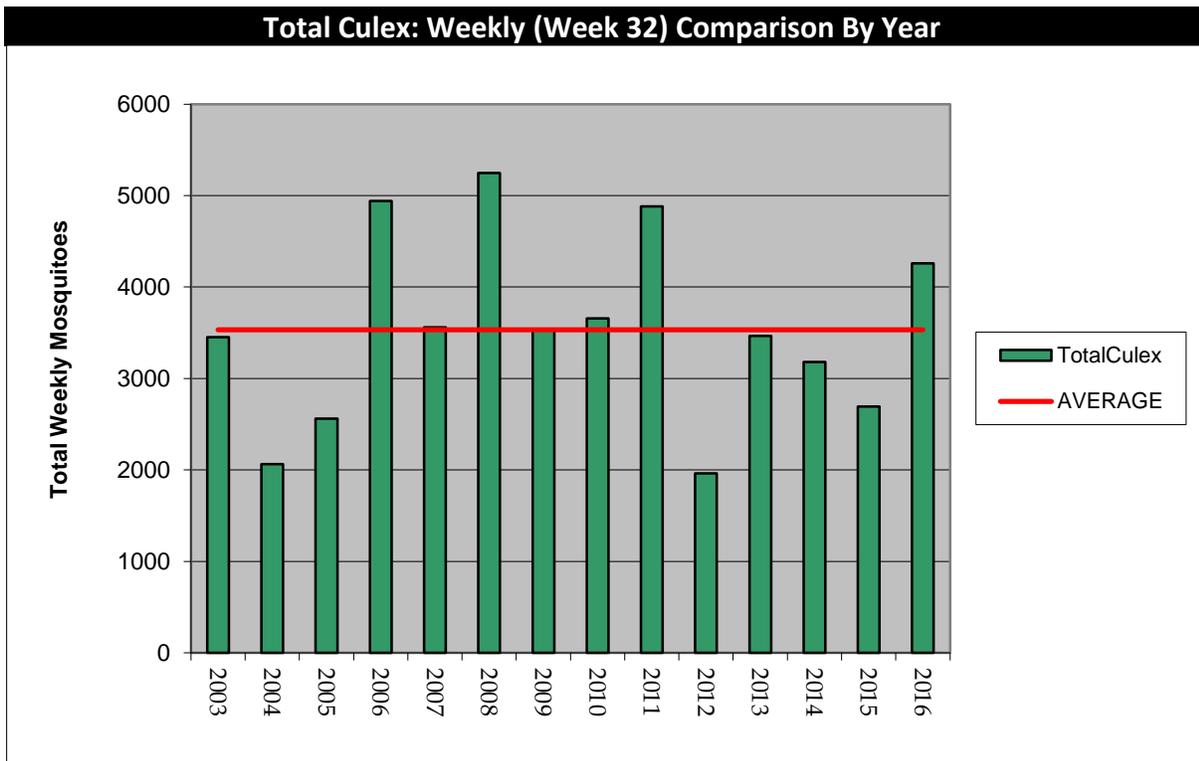
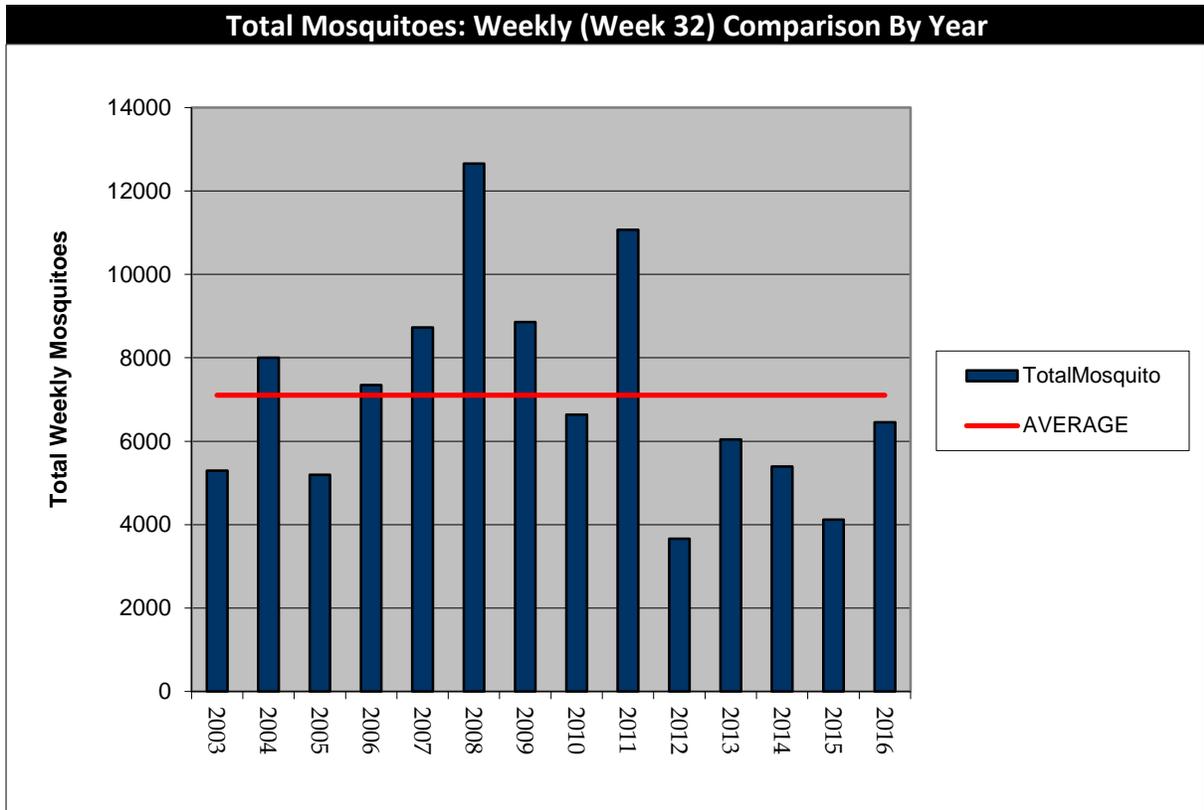
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 3 | 0 | 0 |
| Colorado | 9 | 4 | 1 |
| United States | 76 | 63 | 1 |

NOTE: Numbers in red signify an increase from the previous week.

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | 0.00 | 0.00 | 0.00 |
| Week 22 | 0.00 | 0.00 | 0.00 |
| Week 23 | 0.00 | 0.00 | 0.00 |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | 0.00 | 0.36 | 0.34 |
| Week 30 | 0.19 | 0.00 | 0.00 |
| Week 31 | 0.00 | 0.53 | 0.20 |
| Week 32 | Pending | 1.01 | Pending |
| Week 33 | | | |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

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- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
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- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

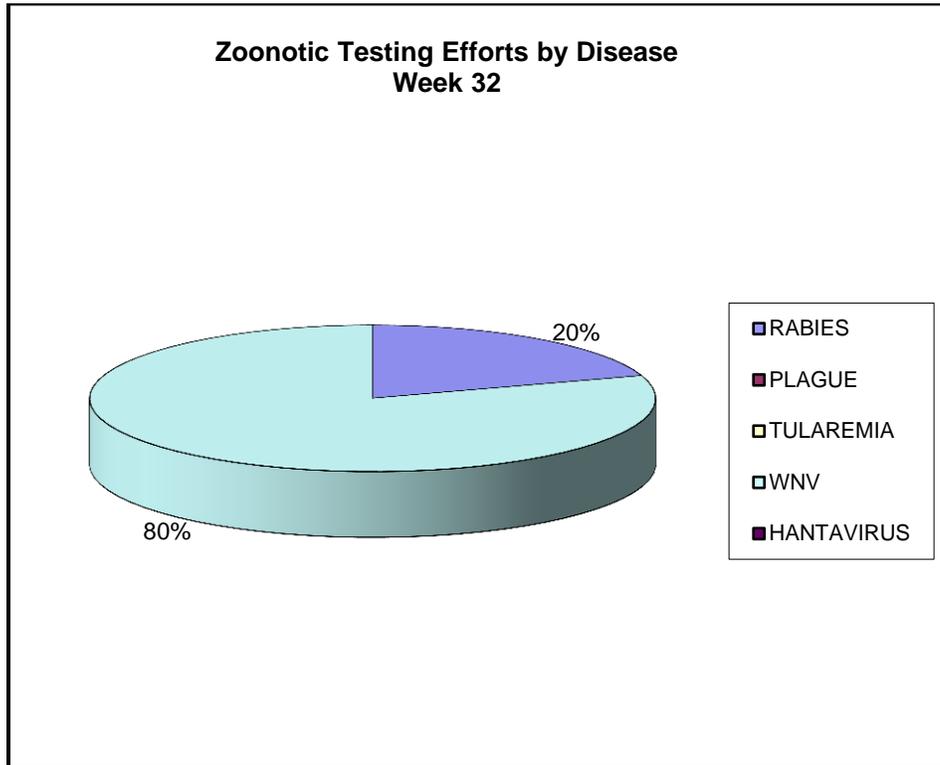
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|----------|-----------|------------|-------------|------------|------------------|----------|------------|------------|--------------|-----------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 5 | 0 | 0 | 17 | 0 | 22 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | 4 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk31 | 5 | 0 | 0 | 19 | 0 | 24 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk32 | 4 | 0 | 0 | 16 | 0 | 20 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk33 | | | | | | | | | | | | |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 84 | 0 | 1 | 119 | 0 | 204 | 8 | 0 | 0 | 11 | 0 | 19 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 51* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 24 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 84 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 5 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 8 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report August 14 – August 20, 2016 (Week 33)

Executive Summary

- Two additional WNV positive cases have been identified in Boulder County - a 39-year-old Longmont woman, a 31-year-old Lafayette man. Both cases were uncomplicated fever.
- CDPHE reports 17 WNV cases and one death statewide. This does not include the newly reported Boulder County cases.
- Both total mosquito and *Culex* mosquito counts are above average for this time of year. *Culex* mosquitoes are nearly twice as high as historical average for this week. West Nile transmission risk is still present throughout Boulder County.
- CDC reports 213 human cases nationwide from 27 states with five deaths (AZ, CA, CO, KS, NV).
- Two bats were submitted for rabies testing with one testing positive and one deemed inappropriate for testing.
- No specimens were submitted for plague, tularemia or hantavirus.

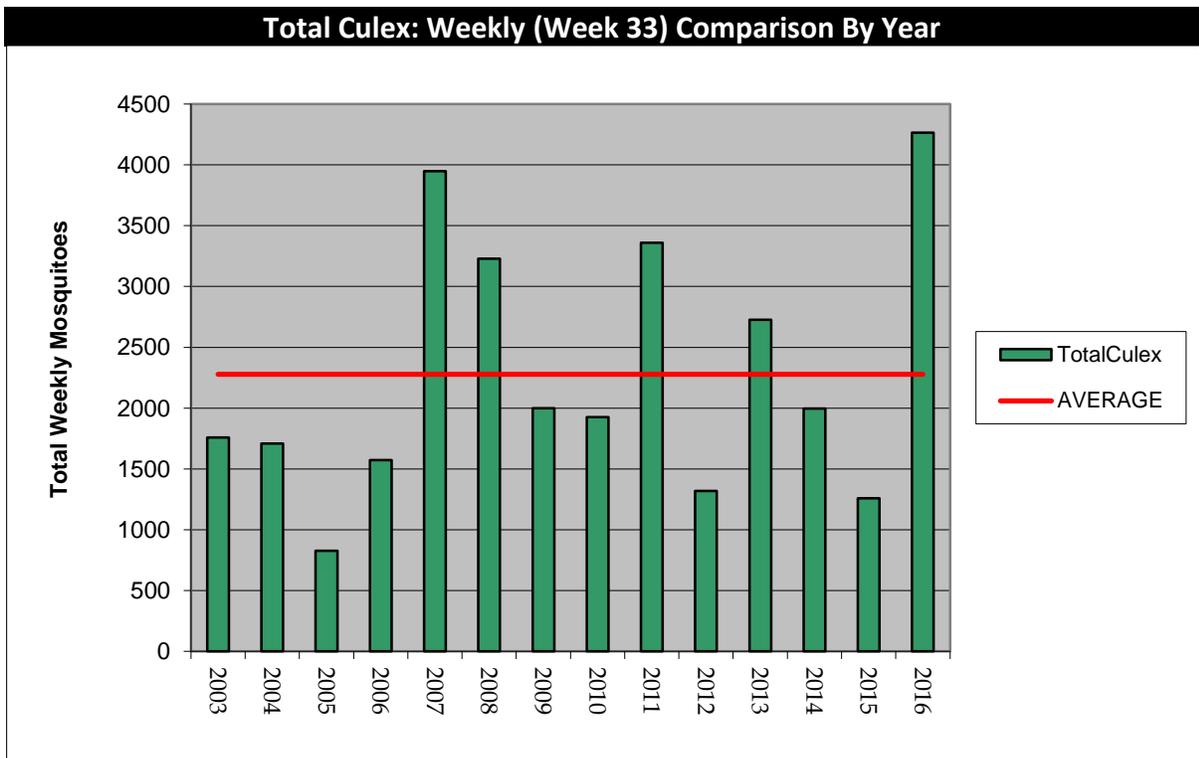
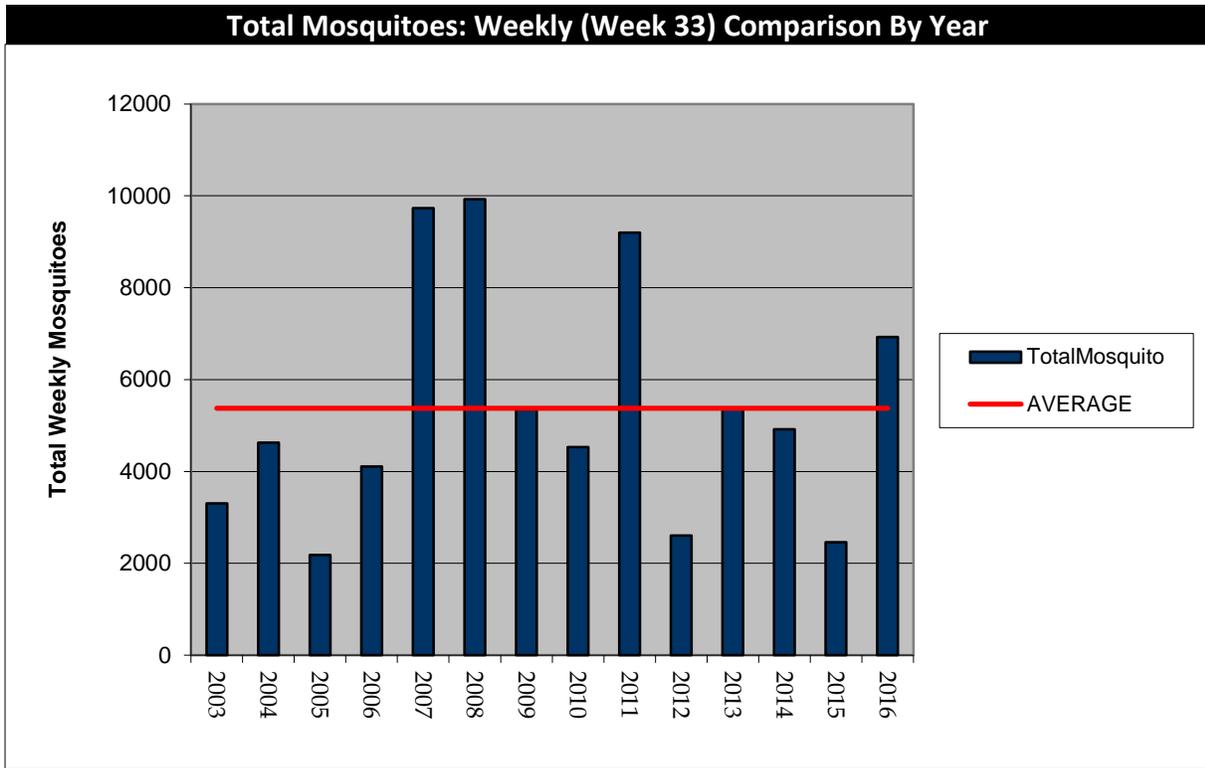
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West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|------------------------------------|--------------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 5 | 0 | 0 |
| Colorado | 9 | 8 | 1 |
| United States | 112 | 101 | 5 |

NOTE: Numbers in red signify an increase from the previous week.

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District’s adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

NOTE: (*) indicates that every pools submitted for that zone tested positive, therefore an infection rate and vector index for that zone cannot be calculated.**

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | 0.00 | 0.00 | 0.00 |
| Week 22 | 0.00 | 0.00 | 0.00 |
| Week 23 | 0.00 | 0.00 | 0.00 |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | 0.00 | 0.36 | 0.34 |
| Week 30 | 0.19 | 0.00 | 0.00 |
| Week 31 | 0.00 | 0.53 | 0.20 |
| Week 32 | 0.41 | 1.01 | 0.00 |
| Week 33 | Pending | Pending | Pending |
| Week 34 | | | |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

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- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

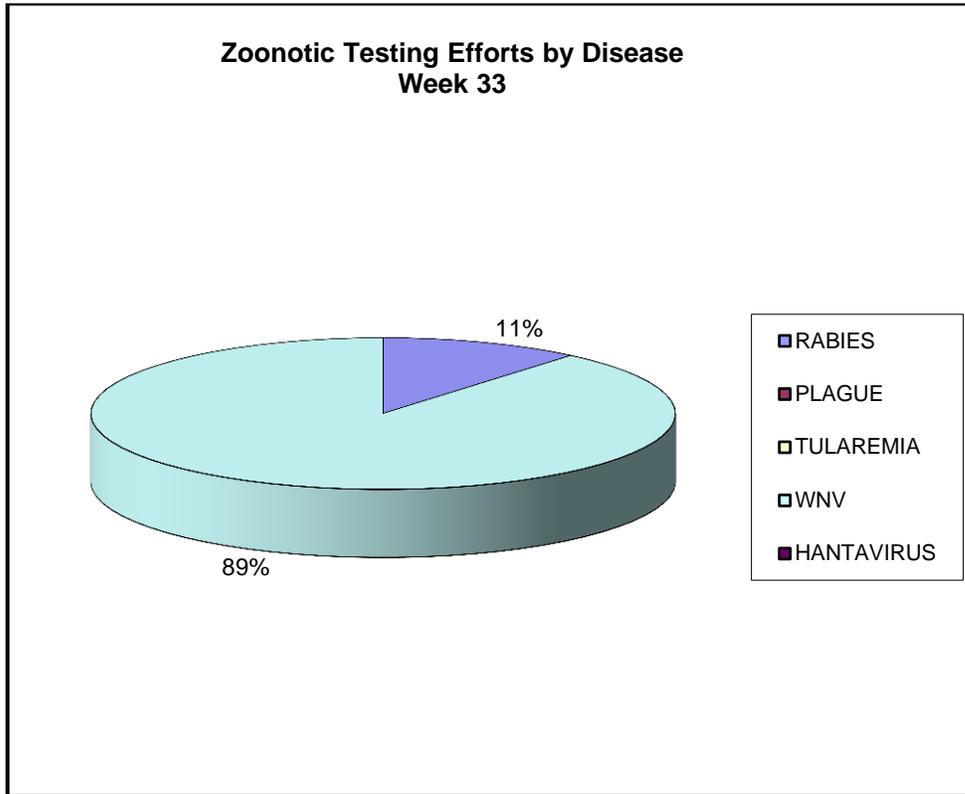
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|--------|-----------|-----------|-------------|-------|------------------|---------|------------|------------|--------------|-------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 5 | 0 | 0 | 17 | 0 | 22 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | 4 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk31 | 5 | 0 | 0 | 19 | 0 | 24 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk32 | 8 | 0 | 0 | 16 | 0 | 24 | 0 | 0 | 0 | 5 | 0 | 5 |
| Wk33 | 2* | 0 | 0 | 16 | 0 | 18 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk34 | | | | | | | | | | | | |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 90 | 0 | 1 | 135 | 0 | 226 | 9 | 0 | 0 | 13 | 0 | 22 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 57* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 24 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 90 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 6 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 9 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report August 21 – August 27, 2016 (Week 34)

Executive Summary

- Two additional WNV cases are reported in Boulder County. These cases are still under investigation.
- CDPHE reports 34 WNV cases and one death statewide with 12 cases from Larimer County.
- *Culex* mosquito counts remain above the historical average for this week. West Nile transmission risk is still present throughout Boulder County.
- CDC reports 301 human cases nationwide from 31 states with seven deaths (AZ(2), CA, CO, KS, NV, WA).
- Boulder County's first case of tularemia was reported last week in a 65 year old male from Boulder. CDPHE reports four human cases statewide for the year.
- One bat was submitted for rabies testing, testing negative.
- No specimens were submitted for plague, tularemia or hantavirus.

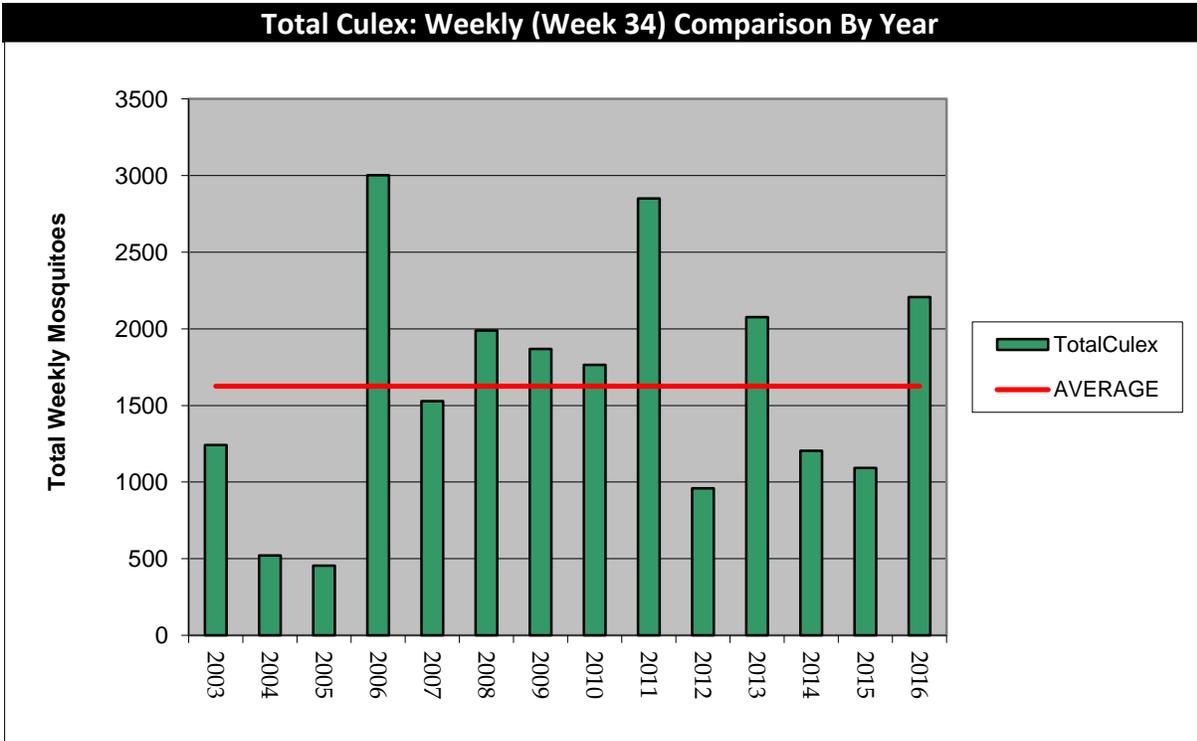
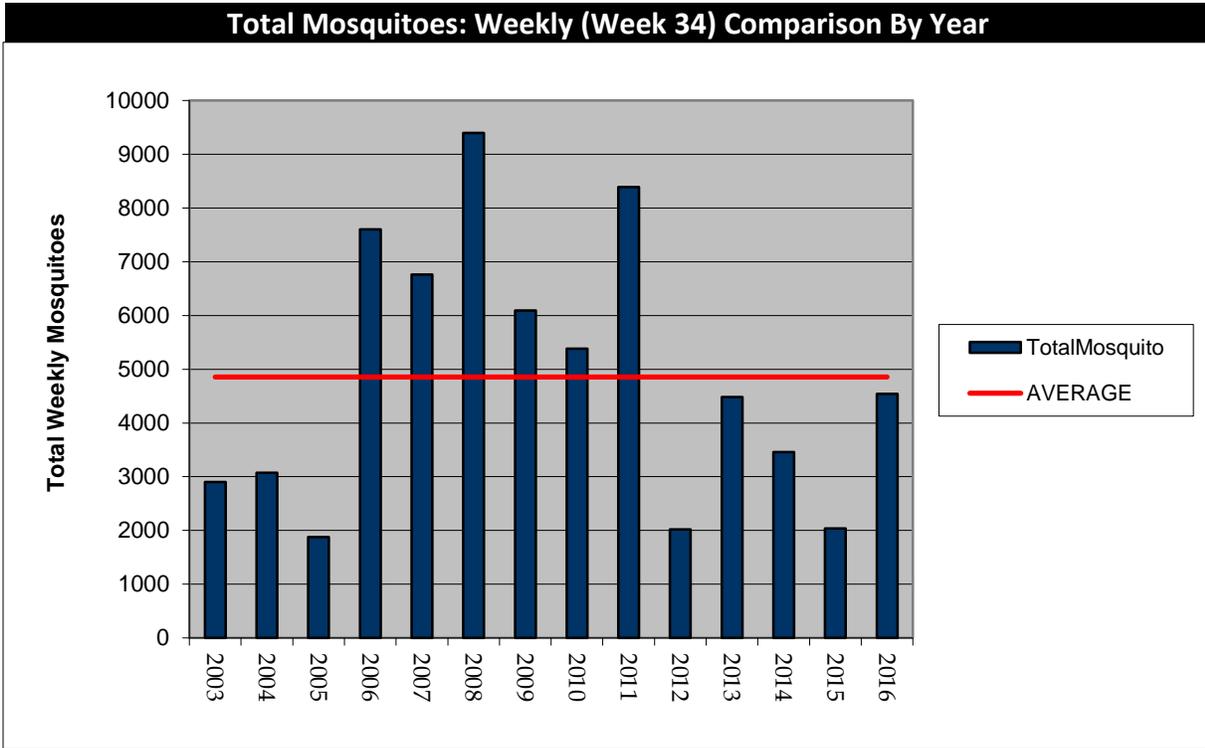
Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 5 | 0 | 0 |
| Colorado | 22 | 10 | 1 |
| United States | 165 | 136 | 7 |

NOTE: Numbers in red signify an increase from the previous week.

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District’s adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | 0.00 | 0.00 | 0.00 |
| Week 22 | 0.00 | 0.00 | 0.00 |
| Week 23 | 0.00 | 0.00 | 0.00 |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | 0.00 | 0.36 | 0.34 |
| Week 30 | 0.19 | 0.00 | 0.00 |
| Week 31 | 0.00 | 0.53 | 0.20 |
| Week 32 | 0.41 | 1.08 | 0.00 |
| Week 33 | 0.00 | 0.71 | 0.18 |
| Week 34 | Pending | 0.20 | Pending |
| Week 35 | | | |
| Week 36 | | | |
| Week 37 | | | |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

Caveats

- Data are provided from the Colorado Department of Public Health and Environment (CDPHE) Zoonotic database and may not include samples submitted for testing prior to publishing of this report.
- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

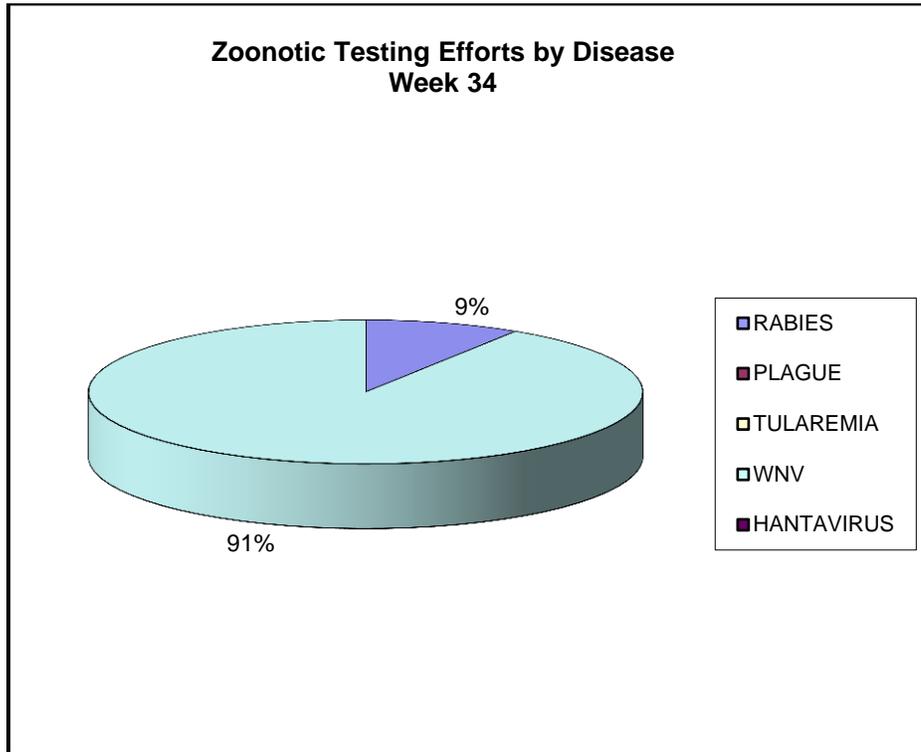
| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|----------------------|-------------------|--------|-----------|-----------|-------------|-------|------------------|---------|------------|------------|--------------|-------|
| | RABIES | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 5 | 0 | 0 | 17 | 0 | 22 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | 4 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk31 | 5 | 0 | 0 | 19 | 0 | 24 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk32 | 8 | 0 | 0 | 16 | 0 | 24 | 0 | 0 | 0 | 5 | 0 | 5 |
| Wk33 | 3* | 0 | 0 | 16 | 0 | 19 | 1 | 0 | 0 | 4 | 0 | 1 |
| Wk34 | 1 | 0 | 0 | 10 | 0 | 11 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk35 | | | | | | | | | | | | |
| Wk36 | | | | | | | | | | | | |
| Wk37 | | | | | | | | | | | | |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 92 | 0 | 1 | 145 | 0 | 238 | 9 | 0 | 0 | 18 | 0 | 23 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|--|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 58* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 25 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 3 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 1 | 0 | 1 | 0 |
| TOTALS | 92 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|--|----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 6 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 9 | 0 | 0 | 0 |

Testing by Disease





Zoonotic Disease Report September 11 – September 17, 2016 (Week 37)

Executive Summary

- Mosquito surveillance had ended for the season.
- As of 9/9/2016 CDPHE reports 76 WNV cases.
- CDC reports 662 human cases nationwide from 39 states plus District of Columbia with 18 deaths (AZ (2), CA (2), CO (3), KS, MN, MS, MT, NM, SD, TN, TX(2), UT, WA).
- One bat was submitted for rabies testing, testing negative.
- To date, 100 specimens have been submitted for rabies testing with seven testing positive: Bat(3), Skunk(2), Raccoon(1).
- No specimens were submitted for plague, tularemia or hantavirus.

Information about symptoms, transmission, and prevention is always available at BoulderCountyVector.org

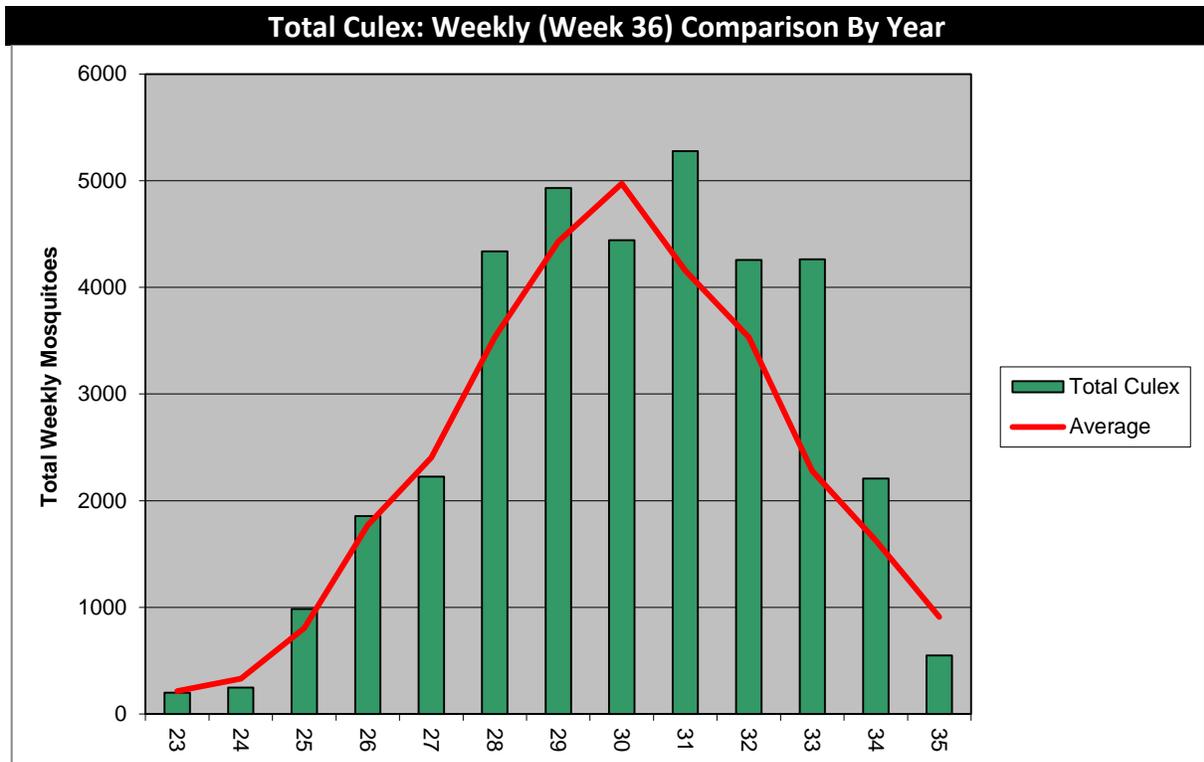
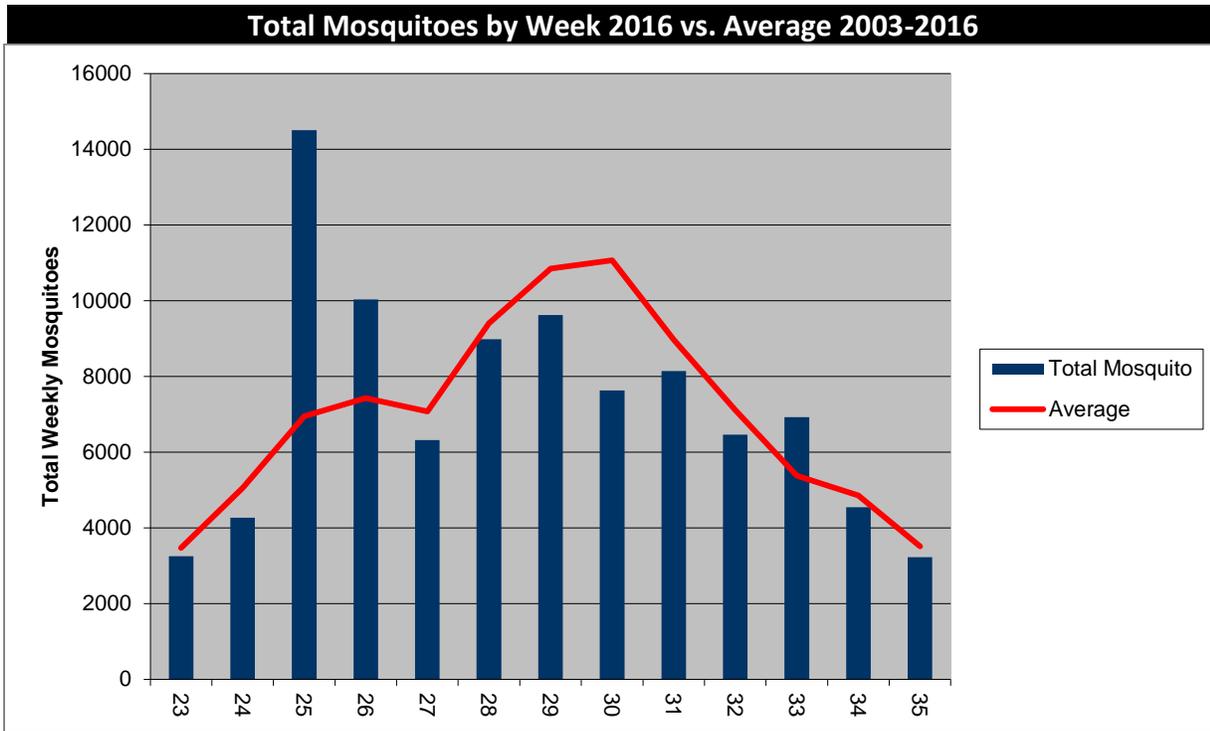
West Nile Virus (WNV) Activity

| SEASON-TO-DATE HUMAN WEST NILE VIRUS (WNV) ACTIVITY | | | |
|---|---------------------------------|-----------------------------|--------|
| Location | Non-Neuroinvasive Disease Cases | Neuroinvasive Disease Cases | Deaths |
| Boulder County | 13 | 1 | 0 |
| Colorado | 49* | 26* | 3* |
| United States | 339 | 323 | 18 |

NOTE: - Numbers in red signify an increase from the previous week.

* Colorado numbers reported by CDC and may not match CDPHE reporting.

Mosquito Activity



West Nile Virus (WNV) Vector Index

The vector index is a function of calculated infection rate, adjusted for *Culex* mosquito population size, within a given area. It is used to estimate human West Nile Virus (WNV) transmission risk. A vector index of **0.75** or above in Boulder County is an indicator of high risk for WNV transmission to humans, and influences the Mosquito Control District's adult mosquito emergency control measures. A vector index is calculated for [three monitoring zones in Boulder County](#).

| VECTOR INDEX | | | |
|--------------|--------------|--------------|--------------|
| | ZONE 1 | ZONE 2 | ZONE 3 |
| Season Week | Vector Index | Vector Index | Vector Index |
| Week 21 | ---- | ---- | ---- |
| Week 22 | ---- | ---- | ---- |
| Week 23 | ---- | ---- | ---- |
| Week 24 | 0.00 | 0.00 | 0.00 |
| Week 25 | 0.00 | 0.00 | 0.00 |
| Week 26 | 0.00 | 0.00 | 0.00 |
| Week 27 | 0.00 | 0.00 | 0.00 |
| Week 28 | 0.00 | 0.20 | 0.00 |
| Week 29 | 0.00 | 0.36 | 0.34 |
| Week 30 | 0.19 | 0.00 | 0.00 |
| Week 31 | 0.00 | 0.53 | 0.20 |
| Week 32 | 0.41 | 1.08 | 0.00 |
| Week 33 | 0.00 | 0.71 | 0.18 |
| Week 34 | 0.20 | 0.20 | 0.17 |
| Week 35 | ---- | ---- | ---- |
| Week 36 | ---- | ---- | ---- |
| Week 37 | ---- | ---- | ---- |
| Week 38 | | | |
| Week 39 | | | |
| Week 40 | | | |

Animal Disease Activity

Each week, Boulder County and municipal Animal Control Units responds to animal complaints throughout the county. When deemed necessary, these specimens are sent to state laboratories for zoonotic disease testing.

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- Data reflect samples submitted by Boulder County Public Health and may not include samples submitted by other agencies or private veterinary practices
- ‘Positive Vectors’ include only samples that have tested positive. Some samples submitted may be deemed untestable.
- ‘Submitted Vectors’ denoted with (*) indicate that at least one sample was untestable. Untestable samples may be treated as positive for follow-up protocol.

Submissions and Results by Disease

| | SUBMITTED VECTORS | | | | | | POSITIVE VECTORS | | | | | |
|------------------------------|-------------------|--------|-----------|--------------|----------------|-------|------------------|---------|------------|---------------|-----------------|-------|
| | RABIE S | PLAGUE | TULAREMIA | WNV POOLS | HANTA VIRUS | TOTAL | RABIES+ | PLAGUE+ | TULAREMIA+ | WNV POOLS+ | HANTA VIRUS+ | TOTAL |
| Wk 1-20 | 20 | 0 | 0 | 0 | 0 | 20 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk21 | 3 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 0 | 0 | 2 |
| Wk22 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk23 | 10 | 0 | 1 | 0 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk24 | 3 | 0 | 0 | 7 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk25 | 4 | 0 | 0 | 7 | 0 | 11 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk26 | 12 | 0 | 0 | 12 | 0 | 24 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk27 | 5 | 0 | 0 | 9 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk28 | 8* | 0 | 0 | 18 | 0 | 26 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk29 | 5 | 0 | 0 | 17 | 0 | 22 | 1 | 0 | 0 | 3 | 0 | 4 |
| Wk30 | 4 | 0 | 0 | 14 | 0 | 18 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk31 | 5 | 0 | 0 | 19 | 0 | 24 | 0 | 0 | 0 | 3 | 0 | 3 |
| Wk32 | 8 | 0 | 0 | 16 | 0 | 24 | 0 | 0 | 0 | 5 | 0 | 5 |
| Wk33 | 3* | 0 | 0 | 16 | 0 | 19 | 1 | 0 | 0 | 4 | 0 | 1 |
| Wk34 | 1 | 0 | 0 | 10 | 0 | 11 | 0 | 0 | 0 | 1 | 0 | 1 |
| Wk35 | 7 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 0 | 0 | 1 |
| Wk36 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk37 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wk38 | | | | | | | | | | | | |
| Wk39 | | | | | | | | | | | | |
| Wk40 | | | | | | | | | | | | |
| TOTAL TO DATE | 100 | 0 | 1 | 145 | 0 | 246 | 10 | 0 | 0 | 18 | 0 | 24 |

Submissions and Results by Species

| SEASON-TO-DATE DISEASE TESTING BY SPECIES | | | | |
|---|------------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 63* | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 26 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 4 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 3 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 2 | 0 | 1 | 0 |
| TOTALS | 100 | 0 | 1 | 0 |

| SEASON-TO-DATE DISEASE POSITIVES BY SPECIES | | | | |
|---|-----------|----------|-----------|----------|
| <i>Species</i> | Rabies | Plague | Tularemia | Hanta |
| Bat | 7 | 0 | 0 | 0 |
| Skunk | 2 | 0 | 0 | 0 |
| Raccoon | 1 | 0 | 0 | 0 |
| Squirrel | 0 | 0 | 0 | 0 |
| Cat | 0 | 0 | 0 | 0 |
| Flea | 0 | 0 | 0 | 0 |
| Dog | 0 | 0 | 0 | 0 |
| Fox | 0 | 0 | 0 | 0 |
| Prairie Dog | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 |
| TOTALS | 10 | 0 | 0 | 0 |