

Chronic Wasting Disease Surveillance Weekly Update

March 01, 2017

CWD surveillance efforts have been under way since March 1, 2016. Statewide CWD sampling goals for the 2016-17 collection year are to collect approximately 6,735 samples, and all samples within the CWD designated zones. Wildlife Division staff are collecting CWD samples from a variety of locations which include, road kill deer, locker plants and deer processors, private ranches, WMA and State Parks, and check stations. The first sample reported for this season was collected on March 1, 2016 and was a Roadkill deer. Exotic species which have been sampled include axis deer, fallow deer, red stag, sika, and elk. A total of 9,830 CWD samples have been collected to date which is approximately 145.95% of the statewide goal of 6,735 samples. Summary of current results are listed below along with maps illustrating distribution of CWD samples.

SUMMARY

Table 1. CWD sample totals by species of deer and sex.

| | Doe/Cow | Buck/Bull | Unknown | Total |
|--------------------------|----------------|------------------|----------------|--------------|
| Elk | 16 | 21 | 5 | 42 |
| Exotic Deer | 42 | 38 | 3 | 83 |
| Mule Deer | 114 | 641 | 35 | 790 |
| White-tailed Deer | 3762 | 4994 | 159 | 8915 |
| Grand Total | 3934 | 5694 | 202 | 9830 |

Table 2. CWD sample totals by species of deer and type of mortality. "Other Mortality" includes sick deer, poached deer, deer collected for training or research.

| | Road Kill | Hunter Harvest | Other | Unknown | Total |
|--------------------------|------------------|-----------------------|--------------|----------------|--------------|
| Elk | 3 | 39 | 0 | 0 | 42 |
| Exotic Deer | 25 | 57 | 1 | 0 | 83 |
| Mule Deer | 180 | 587 | 21 | 2 | 790 |
| White-tailed Deer | 2020 | 6751 | 144 | 0 | 8915 |
| Grand Total | 2228 | 7434 | 166 | 2 | 9830 |

Table 3. CWD sample totals for white-tailed deer by sex and age class.

| White-tailed Deer | 0.5 | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 8.5+ | Unknown |
|--------------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|----------------|
| Doe/Cow | 36 | 649 | 849 | 911 | 520 | 353 | 236 | 107 | 67 | 34 |
| Buck/Bull | 16 | 1277 | 1001 | 1245 | 766 | 354 | 174 | 59 | 41 | 61 |
| Sex Unknown | 0 | 28 | 28 | 33 | 20 | 11 | 11 | 3 | 0 | 25 |
| Grand Total | 52 | 1954 | 1878 | 2189 | 1306 | 718 | 421 | 169 | 108 | 120 |

Table 4. CWD sample totals for mule deer by sex and age class.

| Mule Deer | 0.5 | 1.5 | 2.5 | 3.5 | 4.5 | 5.5 | 6.5 | 7.5 | 8.5+ | Unknown |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|----------------|
| Doe/Cow | 2 | 23 | 18 | 24 | 20 | 6 | 12 | 3 | 6 | 0 |
| Buck/Bull | 2 | 100 | 89 | 108 | 84 | 69 | 69 | 39 | 41 | 40 |
| Sex Unknown | 0 | 8 | 5 | 9 | 1 | 5 | 3 | 1 | 0 | 3 |
| Grand Total | 4 | 131 | 112 | 141 | 105 | 80 | 84 | 43 | 47 | 43 |

Table 5. CWD sample totals by species of deer and CWD zones.

| | Elk | Exotic Deer | Mule Deer | White-tailed Deer | Total |
|--|------------|--------------------|------------------|--------------------------|--------------|
| Trans Pecos Containment Zone 1 | 1 | 0 | 68 | 0 | 69 |
| Trans Pecos Surveillance Zone 1 | 7 | 0 | 136 | 0 | 143 |
| Panhandle Containment Zone 2 | 28 | 0 | 168 | 70 | 266 |
| Panhandle Surveillance Zone 2 | 0 | 0 | 75 | 88 | 163 |
| Medina Co. Surveillance Zone 3 | 0 | 7 | 0 | 767 | 774 |
| Grand Total | 36 | 7 | 447 | 925 | 1415 |

Table 6. CWD sample totals by species of deer and check stations.

| | Elk | Exotic Deer | Mule Deer | White-tailed Deer | Total |
|--------------------|------------|--------------------|------------------|--------------------------|--------------|
| Cornudas | 0 | 0 | 34 | 0 | 34 |
| Dalhart | 8 | 0 | 102 | 61 | 171 |
| Hondo | 0 | 7 | 3 | 850 | 860 |
| Tarpley | 0 | 14 | 0 | 294 | 308 |
| VanHorn | 1 | 0 | 70 | 0 | 71 |
| Vega | 1 | 0 | 79 | 49 | 129 |
| Grand Total | 10 | 21 | 288 | 1254 | 1573 |

Table 7. CWD sample totals by species of deer and Wildlife Division District.

| | Elk | Exotic Deer | Mule Deer | White-tailed Deer | Total |
|--------------------|------------|--------------------|------------------|--------------------------|--------------|
| District 1 | 13 | 1 | 356 | 96 | 466 |
| District 2 | 28 | 0 | 428 | 405 | 861 |
| District 3 | 0 | 2 | 3 | 1688 | 1693 |
| District 4 | 0 | 60 | 2 | 1895 | 1957 |
| District 5 | 0 | 1 | 0 | 1005 | 1006 |
| District 6 | 0 | 1 | 0 | 722 | 723 |
| District 7 | 0 | 5 | 0 | 848 | 853 |
| District 8 | 1 | 13 | 1 | 2255 | 2270 |
| Grand Total | 42 | 83 | 790 | 8915 | 9830 |

Table 8. CWD sample collection effort by Deer Management Unit (DMU).

| DMU | CWD Samples Collected | DMU Goal | Percent of Goal |
|-------------------|-----------------------|-------------|-----------------|
| 01 | 310 | 148 | 209.46% |
| 02 | 11 | 112 | 9.82% |
| 03 | 125 | 60 | 208.33% |
| 04 | 265 | 148 | 179.05% |
| 05 | 412 | 300 | 137.33% |
| 06 | 409 | 222 | 184.23% |
| 07 North | 358 | 300 | 119.33% |
| 07 South | 1435 | 433 | 331.41% |
| 08 West | 495 | 433 | 114.32% |
| 08 East | 448 | 433 | 103.46% |
| 09 | 267 | 112 | 238.39% |
| 10 | 190 | 148 | 128.38% |
| 11 | 441 | 300 | 147.00% |
| 12 | 216 | 148 | 145.95% |
| 13 | 82 | 112 | 73.21% |
| 14 | 310 | 112 | 276.79% |
| 15 | 186 | 112 | 166.07% |
| 16 | 76 | 60 | 126.67% |
| 17 | 186 | 112 | 166.07% |
| 18 | 231 | 112 | 206.25% |
| 19 North | 283 | 148 | 191.22% |
| 19 South | 233 | 222 | 104.95% |
| 20 | 119 | 112 | 106.25% |
| 21 | 25 | 60 | 41.67% |
| 21 North | 40 | 60 | 66.67% |
| 22 | 78 | 60 | 130.00% |
| 23 | 381 | 300 | 127.00% |
| 24 | 228 | 222 | 102.70% |
| 25 | 178 | 148 | 120.27% |
| 25 South | 225 | 222 | 101.35% |
| 26 | 68 | 60 | 113.33% |
| 27 | 236 | 222 | 106.31% |
| 28 | 120 | 112 | 107.14% |
| 29 North | 92 | 112 | 82.14% |
| 29 South | 236 | 222 | 106.31% |
| 30 | 216 | 148 | 145.95% |
| 31 | 13 | 60 | 21.67% |
| 31 East | 26 | 60 | 43.33% |
| 31 West | 304 | 60 | 506.67% |
| 32 | 108 | 60 | 180.00% |
| 33 | 153 | 148 | 103.38% |
| Urban Houston | 11 | Road kills | ---% |
| Urban San Antonio | 0 | Road kills | ---% |
| Urban Valley | 4 | Road kills | ---% |
| All DMUs | 9830 | 6735 | 145.95% |

Figure 1. Running total of weekly CWD samples collected.

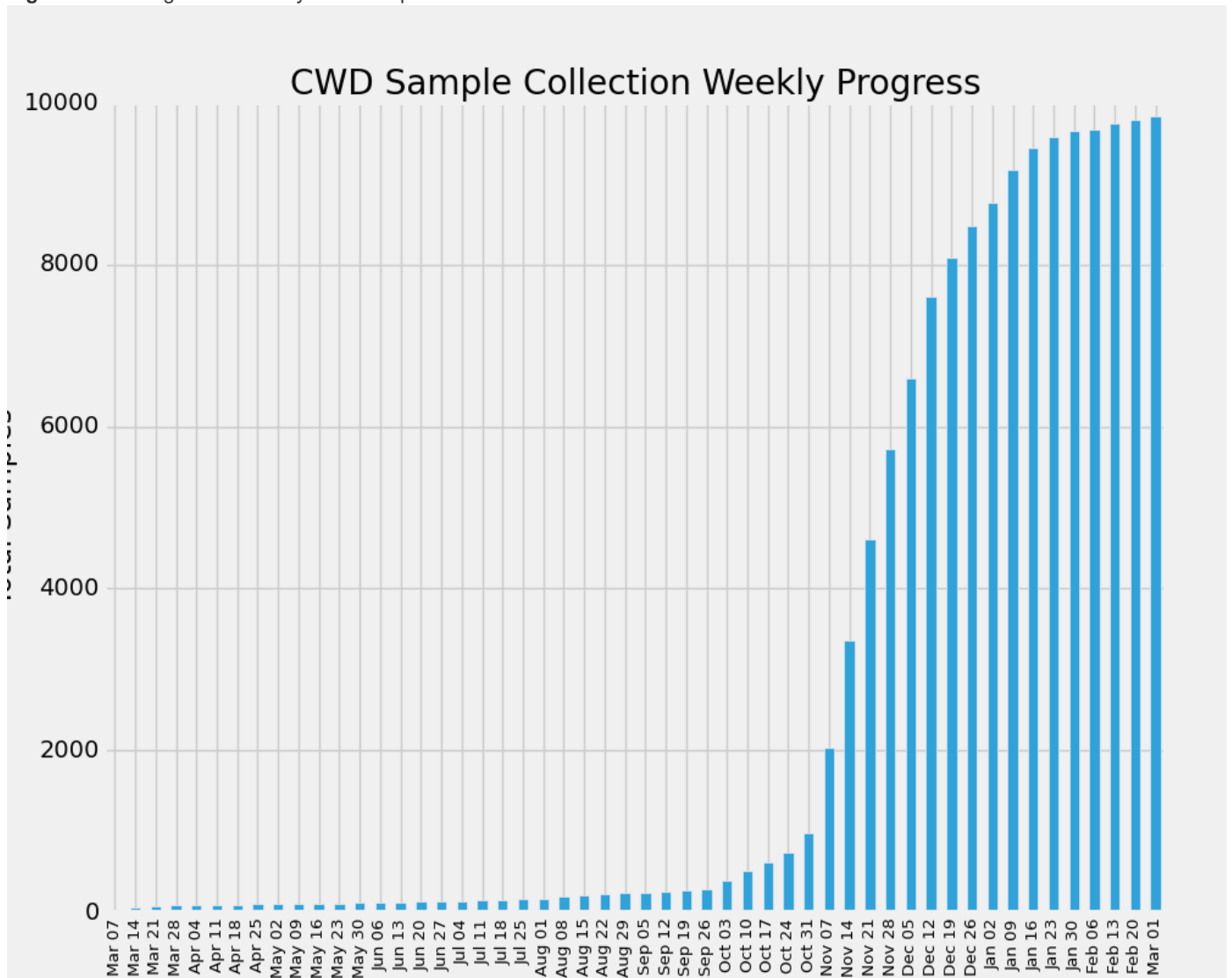


Figure 2. Statewide CWD sample location and distribution, March 1, 2016 to March 01, 2017.

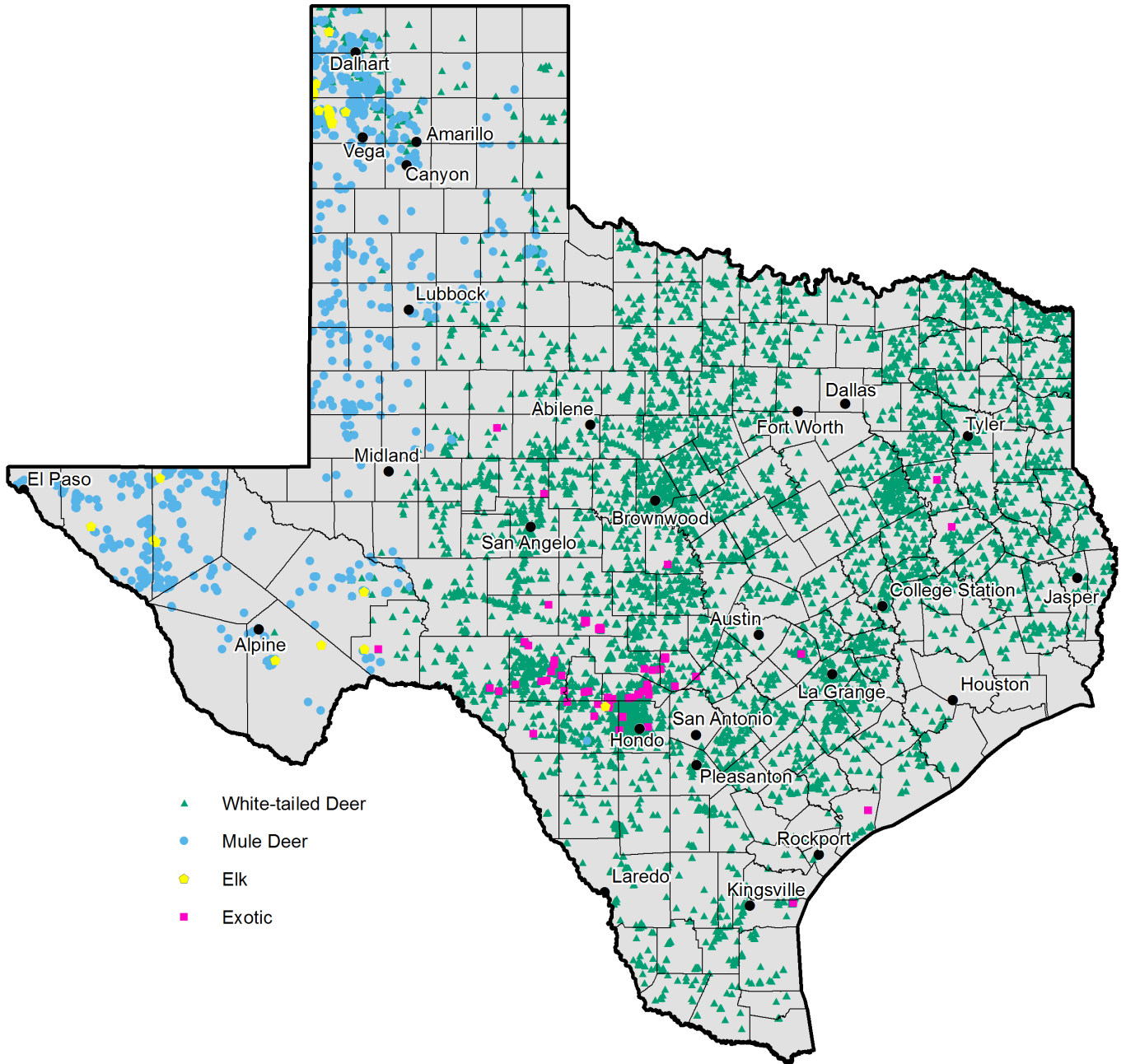


Figure 3. CWD sample numbers by Deer Management Unit (DMU), March 1, 2016 to March 01, 2017.

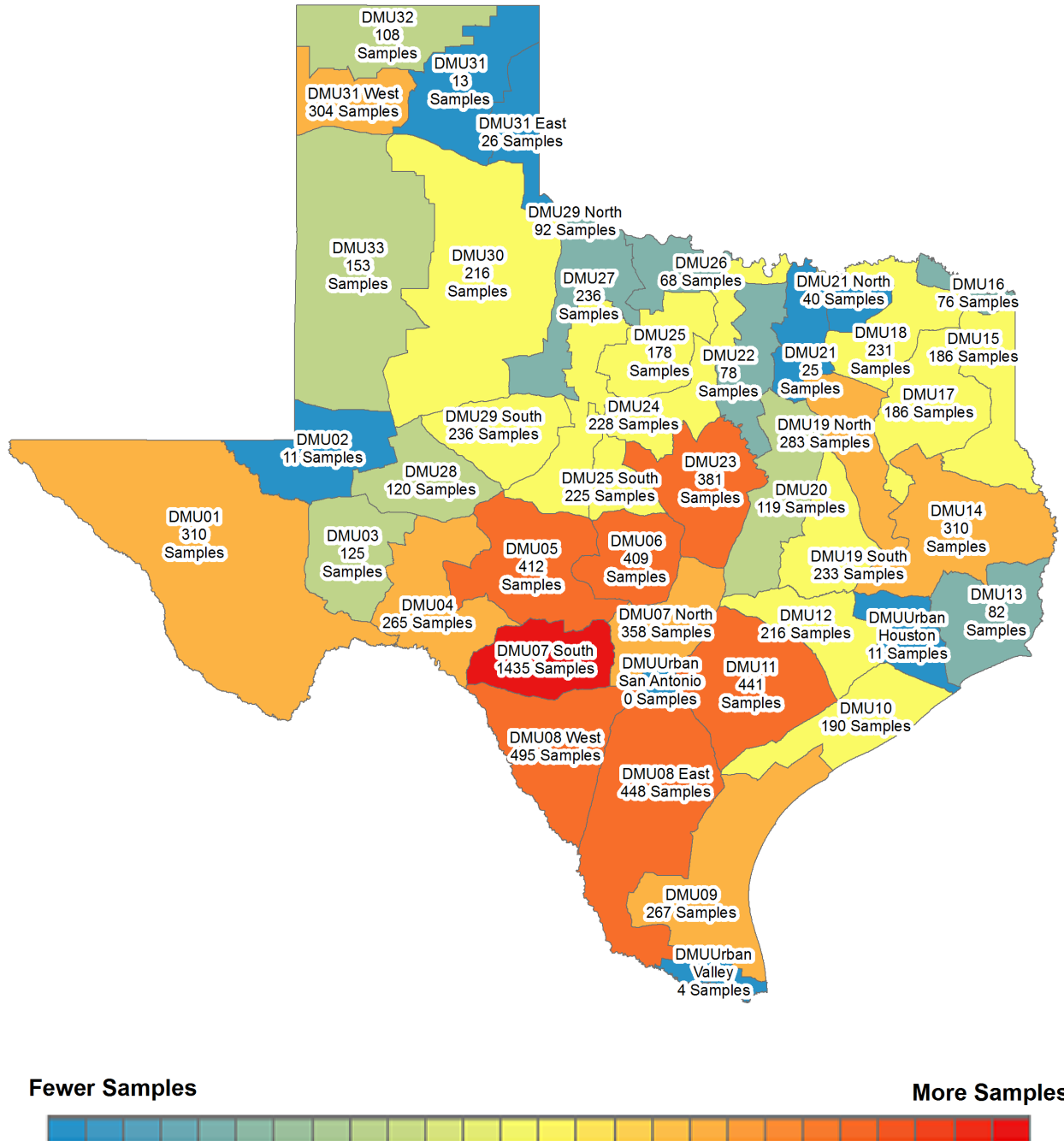


Figure 4. CWD sample numbers by county, March 1, 2016 to March 01, 2017.

