

# Plague Surveillance in Washington Summary Report, 2008-2009

*This report summarizes wildlife plague surveillance activities and findings in Washington State for July 2008 through June 2009.*

December 2009

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DOH 333-168 December 2009



## Plague Surveillance in Washington - Summary Report, 2008-2009

During July 2008 through June 2009, the Washington State Department of Health collaborated with Yakama Nation, Confederated Tribes of Colville Reservation, and Washington State Department of Fish and Wildlife to conduct a serologic survey for plague among wildlife in Washington State. Blood specimens were collected from 359 coyotes (*canis latrans*) in Yakima County and a striped skunk (*mephitis mephitis*) in Spokane County. Specimens were submitted to the U.S. Centers of Disease Control and Prevention, Division of Vector-borne Disease for plague serology analysis. All serology test results were negative for the presence of antibodies against the bacteria, *Yersinia pestis* that causes plague. No plague activity was detected in the state during this surveillance year.

Details of wildlife plague surveillance activities and findings for 2008-2009 are presented in Table 1. This includes information on the specimen such as collection date, approximate vicinity of animal, species, and serology test results.

Wildlife plague surveillance has been conducted in Washington for 23 years. State coverage of plague surveillance depends largely upon surveillance partners and their collections; therefore coverage has fluctuated over the years. Historically, the majority of specimens have been collected from animals in eastern Washington.

Figure 1 shows the distribution of animals tested and those that tested positive for plague by county from 1975 through 2009. With the exception of San Juan County, specimens have been collected from animals in each county of the state. Plague activity has been detected in 22 of the 38 counties. While the majority of plague activity has occurred in eastern counties (17), positive plague specimens have also been detected in western counties (5) including Jefferson, Pacific, Lewis, Thurston, and Whatcom. The most recent plague activity had been detected in Grant County in 2002.

**Figure 1. Distribution of animals tested for plague by county, 1975-2009**

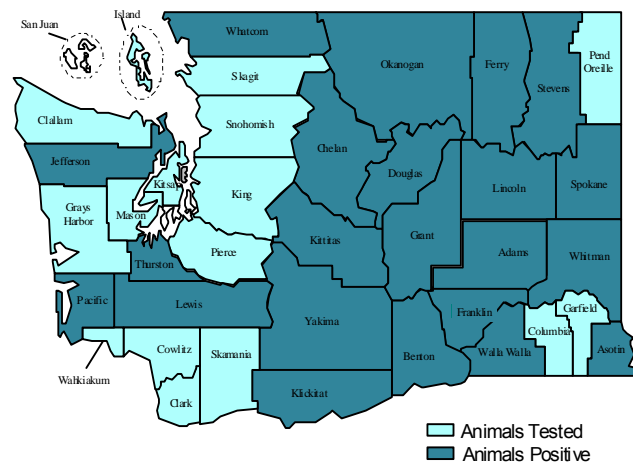


Table 2 provides a year-by-year comparison of the number of specimens tested and positive for surveillance years 1975 through 2009. Overall, 226 (3.2 percent) of 7,141 specimens have tested positive for antibodies against *Yersinia pestis*.

The prevalence of plague among wildlife is relatively low in both eastern and western Washington. Long-term wildlife plague surveillance indicates that approximately three percent of wild carnivores fed upon plague-infected rodents, and that naturally occurring plague is endemic throughout Washington.

For a historical overview of plague and summary of wildlife plague surveillance for July 1975 through June 2008, see the *Plague Surveillance in Washington State Summary Report, 1975-2008* at <http://www.doh.wa.gov/ehp/ts/zoo/plague1975-2008.pdf>.

**Table 1. Wildlife Plague Surveillance, 2008-2009**

July 1, 2008 - June 30 2009

| State ID | Batch Date | Collection Date | Location                              | County  | Species                           | Sex           | Age      | Accession  | Results* |
|----------|------------|-----------------|---------------------------------------|---------|-----------------------------------|---------------|----------|------------|----------|
| WA001    | 10/02/2008 | 07/31/2008      | 2511 North Washington                 | Spokane | mephitis mephitis - striped skunk | male          | adult    | WA 08-7020 | NEG      |
| WA002    | 10/02/2008 | 07/11/2008      | 5 miles from Union Gap                | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-7021 | NEG      |
| WA003    | 10/02/2008 | 07/13/2008      | 6 miles from Wiley City               | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-7022 | NEG      |
| WA004    | 10/02/2008 | 07/01/2008      | 5 miles from Wiley City               | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-7023 | NEG      |
| WA005    | 10/02/2008 | 06/17/2008      | Stephens Road and West Wapato         | Yakima  | canis latrans - coyote            | blank/missing | adult    | WA 08-7024 | NEG      |
| WA006    | 10/02/2008 | 07/02/2008      | Stephens Road and West Wapato         | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-7025 | NEG      |
| WA007    | 10/02/2008 | 08/30/2008      | North of Brownstown Road and Ahtanum  | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-7026 | NEG      |
| WA008    | 10/02/2008 | 08/16/2008      | West Wapato and Stevens Road          | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-7027 | NEG      |
| WA009    | 10/02/2008 | 08/28/2008      | West Wapato and Stevens Road          | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-7028 | NEG      |
| WA010    | 01/05/2009 | 11/15/2008      | 8 miles from Harrah                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0477 | NEG      |
| WA011    | 01/05/2009 | 11/15/2008      | 8 miles of Harrah                     | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0478 | NEG      |
| WA012    | 01/05/2009 | 11/23/2008      | 10 miles of Harrah                    | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0479 | NEG      |
| WA013    | 01/05/2009 | 11/28/2008      | 8 miles from Harrah                   | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0480 | NEG      |
| WA014    | 01/05/2009 | 11/09/2008      | Ahtanum Ridge near end of Kays Road,  | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0481 | NEG      |
| WA015    | 01/05/2009 | 10/18/2008      | 1 mile southeast of South Ahtanum and | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0482 | NEG      |
| WA016    | 01/05/2009 | 10/18/2008      | 0.5 mile South Ahtanum                | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0483 | NEG      |
| WA017    | 01/05/2009 | 10/19/2008      | 2 miles west of South Ahtanum         | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0484 | NEG      |
| WA018    | 01/05/2009 | 10/19/2008      | 1 mile west of South Ahtanum          | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0485 | NEG      |
| WA019    | 01/05/2009 | 10/19/2008      | 1 mile west of South Ahtanum          | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0486 | NEG      |
| WA020    | 01/05/2009 | 10/23/2008      | 0.5 west of hwy 97                    | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0487 | NEG      |
| WA021    | 01/05/2009 | 10/23/2008      | 3 miles west of hwy 97                | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0488 | NEG      |
| WA022    | 01/05/2009 | 10/25/2008      | 3 miles west of hwy 97                | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0489 | NEG      |
| WA023    | 01/05/2009 | 10/25/2008      | 3 miles west of hwy 97                | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0490 | NEG      |
| WA024    | 01/05/2009 | 10/26/2008      | 1 mile west of hwy 97                 | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0491 | NEG      |
| WA025    | 01/05/2009 | 10/11/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0492 | NEG      |
| WA026    | 01/05/2009 | 10/15/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0493 | NEG      |
| WA027    | 01/05/2009 | 10/18/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0494 | NEG      |
| WA028    | 01/05/2009 | 10/19/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0495 | NEG      |
| WA029    | 01/05/2009 | 10/19/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0496 | NEG      |
| WA030    | 01/05/2009 | 10/19/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0497 | NEG      |
| WA031    | 01/05/2009 | 10/28/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0498 | NEG      |
| WA032    | 01/05/2009 | 11/16/2008      | #13 Mule Dry                          | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0499 | NEG      |
| WA033    | 01/05/2009 | 11/22/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0500 | NEG      |
| WA034    | 01/05/2009 | 11/22/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0501 | NEG      |
| WA035    | 01/05/2009 | 11/29/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0502 | NEG      |
| WA036    | 01/05/2009 | 12/06/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0503 | NEG      |
| WA037    | 01/05/2009 | 12/06/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0504 | NEG      |
| WA038    | 01/05/2009 | 12/06/2008      | #12 Medicine Valley                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0505 | NEG      |
| WA039    | 01/05/2009 | 11/02/2008      | #14 Satus                             | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0506 | NEG      |
| WA040    | 01/05/2009 | 11/15/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0507 | NEG      |
| WA041    | 01/05/2009 | 11/16/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0508 | NEG      |
| WA042    | 01/05/2009 | 11/22/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0509 | NEG      |
| WA043    | 01/05/2009 | 11/23/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0510 | NEG      |
| WA044    | 01/05/2009 | 11/23/2008      | #16 Toppenish Ridge                   | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0511 | NEG      |
| WA045    | 01/05/2009 | 11/01/2008      | Mule Dry Creek, Toppenish             | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0512 | NEG      |
| WA046    | 01/05/2009 | 11/18/2008      | Toppenish                             | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0513 | NEG      |
| WA047    | 01/05/2009 | 11/30/2008      | Toppenish                             | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0514 | NEG      |
| WA048    | 01/05/2009 | 11/30/2008      | Toppenish                             | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0515 | NEG      |
| WA049    | 01/05/2009 | 12/06/2008      | Toppenish                             | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0516 | NEG      |
| WA050    | 01/05/2009 | 12/06/2008      | Toppenish                             | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0517 | NEG      |
| WA051    | 01/05/2009 | 11/08/2008      | 2 miles southwest of White Swan       | Yakima  | canis latrans - coyote            | female        | juvenile | WA 08-0518 | NEG      |
| WA052    | 01/05/2009 | 11/08/2008      | 2 miles southwest of White Swan       | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0519 | NEG      |
| WA053    | 01/05/2009 | 11/08/2008      | 2 miles southwest of White Swan       | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0520 | NEG      |
| WA054    | 01/05/2009 | 11/08/2008      | 2 miles southwest of White Swan       | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0521 | NEG      |
| WA055    | 01/05/2009 | 11/15/2008      | 1 mile southwest of White Swan        | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0522 | NEG      |
| WA056    | 01/05/2009 | 11/15/2008      | 1 mile southwest of White Swan        | Yakima  | canis latrans - coyote            | male          | adult    | WA 08-0523 | NEG      |
| WA057    | 01/05/2009 | 11/22/2008      | 3 miles west of White Swan            | Yakima  | canis latrans - coyote            | female        | adult    | WA 08-0524 | NEG      |
| WA058    | 01/05/2009 | 12/06/2008      | 3 miles west of White Swan            | Yakima  | canis latrans - coyote            | male          | juvenile | WA 08-0525 | NEG      |

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| State ID | Batch Date | Collection Date | Location                                 | County | Species                | Sex    | Age           | Accession  | Results* |
|----------|------------|-----------------|--|--------|------------------------|--------|---------------|------------|----------|
| WA059    | 01/05/2009 | 12/06/2008      | 3 miles west of White Swan               | yakima | canis latrans - coyote | female | adult         | WA 08-0526 | NEG      |
| WA060    | 01/05/2009 | 12/06/2008      | 3 miles west of White Swan               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0527 | NEG      |
| WA061    | 01/05/2009 | 11/27/2008      | 5 miles from Wapato                      | yakima | canis latrans - coyote | male   | juvenile      | WA 08-0528 | NEG      |
| WA062    | 01/05/2009 | 11/27/2008      | 5 miles from Wapato                      | yakima | canis latrans - coyote | male   | adult         | WA 08-0529 | NEG      |
| WA063    | 01/05/2009 | 11/30/2008      | 5 miles from Wapato                      | yakima | canis latrans - coyote | female | juvenile      | WA 08-0530 | NEG      |
| WA064    | 01/05/2009 | 10/24/2008      | 6 miles north of Harrah                  | yakima | canis latrans - coyote | male   | adult         | WA 08-0531 | NEG      |
| WA065    | 01/05/2009 | 11/09/2008      | 4 miles east and 4 miles south of White  | yakima | canis latrans - coyote | male   | adult         | WA 08-0532 | NEG      |
| WA066    | 01/05/2009 | 11/09/2008      | 4 miles east and 4 miles south of White  | yakima | canis latrans - coyote | female | adult         | WA 08-0533 | NEG      |
| WA067    | 01/05/2009 | 11/19/2008      | 6 miles north of Harrah                  | yakima | canis latrans - coyote | female | adult         | WA 08-0534 | NEG      |
| WA068    | 01/05/2009 | 11/22/2008      | 6 miles north of Harrah                  | yakima | canis latrans - coyote | male   | adult         | WA 08-0535 | NEG      |
| WA069    | 01/05/2009 | 11/26/2008      | 6 miles north and 3 miles east of Harrah | yakima | canis latrans - coyote | male   | adult         | WA 08-0536 | NEG      |
| WA070    | 01/05/2009 | 11/18/2008      | 6 miles south Toppenish, 8 miles west    | yakima | canis latrans - coyote | male   | adult         | WA 08-0537 | NEG      |
| WA071    | 01/05/2009 | 11/25/2008      | 5 miles north Brownstown, 5 miles west   | yakima | canis latrans - coyote | male   | adult         | WA 08-0538 | NEG      |
| WA072    | 01/05/2009 | 11/08/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult         | WA 08-0539 | NEG      |
| WA073    | 01/05/2009 | 11/15/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | adult         | WA 08-0540 | NEG      |
| WA074    | 01/05/2009 | 11/22/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | juvenile      | WA 08-0541 | NEG      |
| WA075    | 01/05/2009 | 11/28/2008      | 3 miles west of White Swan               | yakima | canis latrans - coyote | female | adult         | WA 08-0542 | NEG      |
| WA076    | 01/05/2009 | 11/28/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | adult         | WA 08-0543 | NEG      |
| WA077    | 01/05/2009 | 11/30/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | juvenile      | WA 08-0544 | NEG      |
| WA078    | 01/05/2009 | 11/30/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | juvenile      | WA 08-0545 | NEG      |
| WA079    | 01/05/2009 | 11/30/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult         | WA 08-0546 | NEG      |
| WA080    | 01/05/2009 | 10/30/2008      | 4 miles northwest of White Swan          | yakima | canis latrans - coyote | male   | adult         | WA 08-0547 | NEG      |
| WA081    | 01/05/2009 | 11/04/2008      | 4 miles north of White Swan              | yakima | canis latrans - coyote | male   | adult         | WA 08-0548 | NEG      |
| WA082    | 01/05/2009 | 11/05/2008      | 3 miles northwest of White Swan          | yakima | canis latrans - coyote | female | juvenile      | WA 08-0549 | NEG      |
| WA083    | 01/05/2009 | 10/28/2008      | Barks Road & Ahtanum Ridge               | yakima | canis latrans - coyote | female | adult         | WA 08-0550 | NEG      |
| WA084    | 01/05/2009 | 10/28/2008      | Ahtanum Ridge                            | yakima | canis latrans - coyote | male   | adult         | WA 08-0551 | NEG      |
| WA085    | 01/05/2009 | 11/23/2008      | 5 miles of Mabton                        | yakima | canis latrans - coyote | female | juvenile      | WA 08-0552 | NEG      |
| WA086    | 01/05/2009 | 11/23/2008      | 5 miles of Mabton                        | yakima | canis latrans - coyote | male   | blank/missing | WA 08-0553 | NEG      |
| WA087    | 01/05/2009 | 10/05/2008      | 5 miles southwest of Harrah              | yakima | canis latrans - coyote | female | adult         | WA 08-0554 | NEG      |
| WA088    | 01/05/2009 | 10/26/2008      | 8 miles south of Toppenish               | yakima | canis latrans - coyote | female | adult         | WA 08-0555 | NEG      |
| WA089    | 01/05/2009 | 10/12/2008      | 2 miles east of Brownstown               | yakima | canis latrans - coyote | male   | adult         | WA 08-0556 | NEG      |
| WA090    | 01/05/2009 | 10/16/2008      | 2 miles east of Brownstown               | yakima | canis latrans - coyote | male   | adult         | WA 08-0557 | QNS      |
| WA091    | 01/05/2009 | 10/30/2008      | 2 miles east of Brownstown               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0558 | NEG      |
| WA092    | 01/05/2009 | 11/09/2008      | #5                                       | yakima | canis latrans - coyote | female | juvenile      | WA 08-0559 | NEG      |
| WA093    | 01/05/2009 | 11/06/2008      | Satus                                    | yakima | canis latrans - coyote | female | adult         | WA 08-0560 | NEG      |
| WA094    | 01/05/2009 | 11/14/2008      | 4 miles from Harrah and 2 miles from     | yakima | canis latrans - coyote | male   | adult         | WA 08-0561 | NEG      |
| WA095    | 01/05/2009 | 11/23/2008      | 5 miles from Toppenish Ridge             | yakima | canis latrans - coyote | female | adult         | WA 08-0562 | NEG      |
| WA096    | 01/05/2009 | 11/24/2008      | 5 miles from Toppenish on Toppenish      | yakima | canis latrans - coyote | male   | blank/missing | WA 08-0563 | NEG      |
| WA097    | 01/05/2009 | 11/24/2008      | 5 miles from Toppenish on Toppenish      | yakima | canis latrans - coyote | female | blank/missing | WA 08-0564 | NEG      |
| WA098    | 01/05/2009 | 11/10/2008      | White Swan                               | yakima | canis latrans - coyote | male   | juvenile      | WA 08-0565 | NEG      |
| WA099    | 01/05/2009 | 11/10/2008      | White Swan                               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0566 | NEG      |
| WA100    | 01/05/2009 | 11/19/2008      | White Swan                               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0567 | QNS      |
| WA101    | 01/05/2009 | 11/23/2008      | White Swan                               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0568 | NEG      |
| WA102    | 01/05/2009 | 11/25/2008      | White Swan                               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0569 | NEG      |
| WA103    | 01/05/2009 | 11/29/2008      | White Swan                               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0570 | NEG      |
| WA104    | 01/05/2009 | 11/29/2008      | White Swan                               | yakima | canis latrans - coyote | female | juvenile      | WA 08-0571 | QNS      |
| WA105    | 01/05/2009 | 10/20/2008      | 6 miles north of White Swan              | yakima | canis latrans - coyote | female | adult         | WA 08-0572 | QNS      |
| WA106    | 01/05/2009 | 11/05/2008      | 5-6 miles north of White Swan            | yakima | canis latrans - coyote | male   | adult         | WA 08-0573 | NEG      |
| WA107    | 01/05/2009 | 11/05/2008      | 5-6 miles north of White Swan            | yakima | canis latrans - coyote | male   | adult         | WA 08-0574 | NEG      |
| WA108    | 01/05/2009 | 11/05/2008      | 5-6 miles north of White Swan            | yakima | canis latrans - coyote | male   | adult         | WA 08-0575 | NEG      |
| WA109    | 01/21/2009 | 12/06/2008      | 8 miles Harrah                           | yakima | canis latrans - coyote | male   | adult         | WA 09-0586 | NEG      |
| WA110    | 01/21/2009 | 12/06/2008      | 6 miles Harrah                           | yakima | canis latrans - coyote | female | juvenile      | WA 09-0587 | NEG      |
| WA111    | 01/21/2009 | 12/07/2008      | 6 miles Harrah                           | yakima | canis latrans - coyote | male   | juvenile      | WA 09-0588 | NEG      |
| WA112    | 01/21/2009 | 12/26/2008      | 6 miles Harrah                           | yakima | canis latrans - coyote | male   | juvenile      | WA 09-0589 | NEG      |

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July 1, 2008 - June 30 2009

| State ID | Batch Date | Collection Date | Location                                | County | Species                | Sex    | Age      | Accession  | Results* |
|----------|------------|-----------------|---|--------|------------------------|--------|----------|------------|----------|
| WA113    | 01/21/2009 | 12/27/2008      | 8 miles Harrah                          | yakima | canis latrans - coyote | male   | juvenile | WA 09-0590 | NEG      |
| WA114    | 01/21/2009 | 12/17/2008      | 6 miles west of Wiley City              | yakima | canis latrans - coyote | female | adult    | WA 09-0591 | NEG      |
| WA115    | 01/21/2009 | 12/06/2008      | 8 miles from Wapato                     | yakima | canis latrans - coyote | female | juvenile | WA 09-0592 | NEG      |
| WA116    | 01/21/2009 | 12/22/2008      | 8 miles from Wapato                     | yakima | canis latrans - coyote | female | juvenile | WA 09-0593 | NEG      |
| WA117    | 01/21/2009 | 12/27/2008      | 8 miles from Wapato                     | yakima | canis latrans - coyote | male   | juvenile | WA 09-0594 | NEG      |
| WA118    | 01/21/2009 | 11/11/2008      | 1 mile west of Boundry Road             | yakima | canis latrans - coyote | male   | adult    | WA 09-0595 | NEG      |
| WA119    | 01/21/2009 | 12/28/2008      | Marion drain road and Teconce           | yakima | canis latrans - coyote | male   | adult    | WA 09-0596 | NEG      |
| WA120    | 01/21/2009 | 12/18/2008      | #13 Mule Dry                            | yakima | canis latrans - coyote | female | juvenile | WA 09-0597 | NEG      |
| WA121    | 01/21/2009 | 12/30/2008      | #12 Medicine Valley                     | yakima | canis latrans - coyote | male   | adult    | WA 09-0598 | NEG      |
| WA122    | 01/21/2009 | 01/10/2009      | #6 North Ahtanum                        | yakima | canis latrans - coyote | male   | adult    | WA 09-0599 | NEG      |
| WA123    | 01/21/2009 | 12/24/2008      | White Swan                              | yakima | canis latrans - coyote | male   | adult    | WA 09-0600 | NEG      |
| WA124    | 01/21/2009 | 12/07/2008      | 4 miles southwest of White Swan         | yakima | canis latrans - coyote | male   | juvenile | WA 09-0601 | NEG      |
| WA125    | 01/21/2009 | 12/07/2008      | 4 miles southwest of White Swan         | yakima | canis latrans - coyote | male   | juvenile | WA 09-0602 | NEG      |
| WA126    | 01/21/2009 | 12/09/2008      | 4 miles southwest of White Swan         | yakima | canis latrans - coyote | female | juvenile | WA 09-0603 | NEG      |
| WA127    | 01/21/2009 | 12/12/2008      | 4 miles southwest of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0604 | NEG      |
| WA128    | 01/21/2009 | 12/15/2008      | 2 miles southwest of White Swan         | yakima | canis latrans - coyote | male   | adult    | WA 09-0605 | NEG      |
| WA129    | 01/21/2009 | 12/15/2008      | 2 miles west of White Swan              | yakima | canis latrans - coyote | male   | adult    | WA 09-0606 | NEG      |
| WA130    | 01/21/2009 | 12/19/2008      | 4 miles east of White Swan              | yakima | canis latrans - coyote | female | adult    | WA 09-0607 | NEG      |
| WA131    | 01/21/2009 | 12/20/2008      | 4 miles southeast of White Swan         | yakima | canis latrans - coyote | female | juvenile | WA 09-0608 | NEG      |
| WA132    | 01/21/2009 | 12/21/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0609 | NEG      |
| WA133    | 01/21/2009 | 12/21/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | male   | juvenile | WA 09-0610 | NEG      |
| WA134    | 01/21/2009 | 12/21/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0611 | NEG      |
| WA135    | 01/21/2009 | 12/21/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0612 | NEG      |
| WA136    | 01/21/2009 | 12/24/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | female | juvenile | WA 09-0613 | NEG      |
| WA137    | 01/21/2009 | 12/26/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0614 | NEG      |
| WA138    | 01/21/2009 | 12/27/2008      | 3 miles southeast of White Swan         | yakima | canis latrans - coyote | male   | adult    | WA 09-0615 | NEG      |
| WA139    | 01/21/2009 | 01/04/2009      | 4 miles southwest of White Swan         | yakima | canis latrans - coyote | male   | adult    | WA 09-0616 | NEG      |
| WA140    | 01/21/2009 | 01/04/2009      | 4 miles southwest of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0617 | NEG      |
| WA141    | 01/21/2009 | 12/13/2008      | 2 mile west of Brownstown Road and West | yakima | canis latrans - coyote | female | adult    | WA 09-0618 | NEG      |
| WA142    | 01/21/2009 | 12/13/2008      | 2 mile west of Brownstown Road and West | yakima | canis latrans - coyote | female | adult    | WA 09-0619 | NEG      |
| WA143    | 01/21/2009 | 12/13/2008      | 2 mile west of Brownstown Road and West | yakima | canis latrans - coyote | female | adult    | WA 09-0620 | NEG      |
| WA144    | 01/21/2009 | 12/20/2008      | 1 mile west of Plunk Road and Pioneer   | yakima | canis latrans - coyote | male   | adult    | WA 09-0621 | NEG      |
| WA145    | 01/21/2009 | 12/20/2008      | 1 mile west of Plunk Road and Pioneer   | yakima | canis latrans - coyote | female | adult    | WA 09-0622 | NEG      |
| WA146    | 01/21/2009 | 12/28/2008      | 1 mile west of Brownstown Road and West | yakima | canis latrans - coyote | female | adult    | WA 09-0623 | NEG      |
| WA147    | 01/21/2009 | 12/28/2008      | 1 mile west of Brownstown Road and West | yakima | canis latrans - coyote | male   | adult    | WA 09-0624 | NEG      |
| WA148    | 01/21/2009 | 12/28/2008      | 1 mile west of Brownstown Road and West | yakima | canis latrans - coyote | female | adult    | WA 09-0625 | NEG      |
| WA149    | 01/21/2009 | 12/04/2008      | 6 miles north and 1 mile west of Harrah | yakima | canis latrans - coyote | female | juvenile | WA 09-0626 | NEG      |
| WA150    | 01/21/2009 | 12/04/2008      | 6 miles north and 1 mile west of Harrah | yakima | canis latrans - coyote | female | juvenile | WA 09-0627 | NEG      |
| WA151    | 01/21/2009 | 12/06/2008      | 6 miles north of Harrah                 | yakima | canis latrans - coyote | male   | adult    | WA 09-0628 | NEG      |
| WA152    | 01/21/2009 | 12/06/2008      | 6 miles north of Harrah                 | yakima | canis latrans - coyote | male   | adult    | WA 09-0629 | NEG      |
| WA153    | 01/21/2009 | 12/06/2008      | 6 miles north of Harrah                 | yakima | canis latrans - coyote | male   | adult    | WA 09-0630 | NEG      |
| WA154    | 01/21/2009 | 12/13/2008      | 10 miles south of Wapato                | yakima | canis latrans - coyote | female | adult    | WA 09-0631 | NEG      |
| WA155    | 01/21/2009 | 12/19/2008      | 6 miles north and 1 mile west of Harrah | yakima | canis latrans - coyote | female | adult    | WA 09-0632 | NEG      |
| WA156    | 01/21/2009 | 12/24/2008      | 6 miles north of Harrah                 | yakima | canis latrans - coyote | female | adult    | WA 09-0633 | NEG      |
| WA157    | 01/21/2009 | 12/28/2008      | 6 miles north of Harrah                 | yakima | canis latrans - coyote | female | adult    | WA 09-0634 | NEG      |
| WA158    | 01/21/2009 | 12/21/2008      | 6 miles south of Toppenish and 7 miles  | yakima | canis latrans - coyote | male   | adult    | WA 09-0635 | NEG      |
| WA159    | 01/21/2009 | 12/21/2008      | 6 miles south of Toppenish and 7 miles  | yakima | canis latrans - coyote | female | adult    | WA 09-0636 | NEG      |
| WA160    | 01/21/2009 | 12/27/2008      | 10 miles west of Wapato                 | yakima | canis latrans - coyote | male   | adult    | WA 09-0637 | NEG      |
| WA161    | 01/21/2009 | 12/06/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | male   | adult    | WA 09-0638 | NEG      |
| WA162    | 01/21/2009 | 12/07/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | female | juvenile | WA 09-0639 | NEG      |
| WA163    | 01/21/2009 | 12/13/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0640 | NEG      |
| WA164    | 01/21/2009 | 12/14/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | male   | adult    | WA 09-0641 | NEG      |
| WA165    | 01/21/2009 | 12/20/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | female | adult    | WA 09-0642 | NEG      |
| WA166    | 01/21/2009 | 12/21/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | female | juvenile | WA 09-0643 | NEG      |
| WA167    | 01/21/2009 | 12/24/2008      | 3miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult    | WA 09-0644 | NEG      |
| WA168    | 01/21/2009 | 12/26/2008      | 3 miles southwest of White Swan         | yakima | canis latrans - coyote | female | juvenile | WA 09-0645 | NEG      |



**Table 1. Wildlife Plague Surveillance, 2008-2009**

July 1, 2008 - June 30 2009

| State ID | Batch Date | Collection Date | Location                                 | County | Species                | Sex    | Age      | Accession  | Results* |
|----------|------------|-----------------|--|--------|------------------------|--------|----------|------------|----------|
| WA169    | 01/21/2009 | 12/27/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | juvenile | WA 09-0646 | NEG      |
| WA170    | 01/21/2009 | 12/28/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult    | WA 09-0647 | NEG      |
| WA171    | 01/21/2009 | 12/28/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | adult    | WA 09-0648 | NEG      |
| WA172    | 01/21/2009 | 12/31/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult    | WA 09-0649 | NEG      |
| WA173    | 01/21/2009 | 12/31/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | juvenile | WA 09-0650 | NEG      |
| WA174    | 01/21/2009 | 12/31/2008      | 3 miles southwest of White Swan          | yakima | canis latrans - coyote | female | juvenile | WA 09-0651 | NEG      |
| WA175    | 01/21/2009 | 11/14/2008      | 4 miles west of White Swan               | yakima | canis latrans - coyote | female | adult    | WA 09-0652 | NEG      |
| WA176    | 01/21/2009 | 12/23/2008      | North Brownstown Road and Ahtanum        | yakima | canis latrans - coyote | male   | adult    | WA 09-0653 | NEG      |
| WA177    | 01/21/2009 | 12/27/2008      | 14 Toppenish                             | yakima | canis latrans - coyote | female | juvenile | WA 09-0654 | NEG      |
| WA178    | 01/21/2009 | 12/18/2008      | Mule Dry Plank Road                      | yakima | canis latrans - coyote | female | adult    | WA 09-0655 | NEG      |
| WA179    | 01/21/2009 | 12/26/2008      | Mule Dry Plank Road                      | yakima | canis latrans - coyote | female | juvenile | WA 09-0656 | NEG      |
| WA180    | 01/21/2009 | 11/15/2008      | Ahtanum Ridge                            | yakima | canis latrans - coyote | female | juvenile | WA 09-0657 | NEG      |
| WA181    | 01/21/2009 | 11/15/2008      | Ahtanum Ridge                            | yakima | canis latrans - coyote | female | adult    | WA 09-0658 | NEG      |
| WA182    | 01/21/2009 | 11/18/2008      | Ahtanum Ridge                            | yakima | canis latrans - coyote | male   | adult    | WA 09-0659 | NEG      |
| WA183    | 01/21/2009 | 11/20/2008      | Ahtanum Ridge                            | yakima | canis latrans - coyote | male   | adult    | WA 09-0660 | NEG      |
| WA184    | 01/21/2009 | 11/24/2008      | Tule Road                                | yakima | canis latrans - coyote | female | adult    | WA 09-0661 | NEG      |
| WA185    | 01/21/2009 | 11/24/2008      | Tule Road                                | yakima | canis latrans - coyote | male   | adult    | WA 09-0662 | NEG      |
| WA186    | 01/21/2009 | 11/28/2008      | Unit 2                                   | yakima | canis latrans - coyote | male   | adult    | WA 09-0663 | NEG      |
| WA187    | 01/21/2009 | 11/28/2008      | Unit 5 Ahtanum                           | yakima | canis latrans - coyote | female | adult    | WA 09-0664 | NEG      |
| WA188    | 01/21/2009 | 12/01/2008      | Unit 5 Ahtanum                           | yakima | canis latrans - coyote | female | adult    | WA 09-0665 | NEG      |
| WA189    | 01/21/2009 | 12/07/2008      | Unit 5 Ahtanum                           | yakima | canis latrans - coyote | male   | adult    | WA 09-0666 | NEG      |
| WA190    | 01/21/2009 | 12/08/2008      | Unit 5 Ahtanum                           | yakima | canis latrans - coyote | male   | juvenile | WA 09-0667 | NEG      |
| WA191    | 01/21/2009 | 12/10/2008      | Unit 5 Ahtanum                           | yakima | canis latrans - coyote | male   | adult    | WA 09-0668 | NEG      |
| WA192    | 01/21/2009 | 12/20/2008      | Unit 5 Ahtanum                           | yakima | canis latrans - coyote | female | juvenile | WA 09-0669 | NEG      |
| WA193    | 01/21/2009 | 12/17/2008      | Authem Ridge 5 miles north of Brownstown | yakima | canis latrans - coyote | female | adult    | WA 09-0670 | NEG      |
| WA194    | 01/21/2009 | 12/19/2008      | Toppenish Ridge                          | yakima | canis latrans - coyote | male   | adult    | WA 09-0671 | NEG      |
| WA195    | 01/21/2009 | 12/19/2008      | Mule Dry                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-0672 | NEG      |
| WA196    | 01/21/2009 | 12/21/2008      | Mule Dry                                 | yakima | canis latrans - coyote | female | adult    | WA 09-0673 | NEG      |
| WA197    | 01/21/2009 | 11/12/2008      | 2 miles west of White Swan               | yakima | canis latrans - coyote | female | adult    | WA 09-0674 | NEG      |
| WA198    | 01/21/2009 | 11/19/2008      | 2.5 west of Quince                       | yakima | canis latrans - coyote | male   | juvenile | WA 09-0675 | NEG      |
| WA199    | 01/21/2009 | 11/21/2008      | 1 mile south of Chelan                   | yakima | canis latrans - coyote | male   | juvenile | WA 09-0676 | NEG      |
| WA200    | 01/21/2009 | 12/23/2008      | Area 12, 4 miles northwest of White Swan | yakima | canis latrans - coyote | female | juvenile | WA 09-0677 | NEG      |
| WA201    | 01/21/2009 | 12/28/2008      | Area 12, 6 miles northeast of White Swan | yakima | canis latrans - coyote | female | adult    | WA 09-0678 | NEG      |
| WA202    | 01/21/2009 | 12/29/2008      | Area 12, 3.5 miles northwest of White    | yakima | canis latrans - coyote | female | juvenile | WA 09-0679 | NEG      |
| WA203    | 01/21/2009 | 12/29/2008      | Area 12, 3.5 miles northwest of White    | yakima | canis latrans - coyote | male   | adult    | WA 09-0680 | NEG      |
| WA204    | 03/12/2009 | 12/12/2008      | Lat B and McDonald                       | yakima | canis latrans - coyote | male   | adult    | WA 09-2414 | NEG      |
| WA205    | 03/12/2009 | 12/23/2008      | West Wapato and Brownstown               | yakima | canis latrans - coyote | male   | adult    | WA 09-2415 | NEG      |
| WA206    | 03/12/2009 | 12/26/2008      | West Wapato and Stephen Road             | yakima | canis latrans - coyote | female | adult    | WA 09-2416 | NEG      |
| WA207    | 03/12/2009 | 12/26/2008      | West Wapato and Stephen Road             | yakima | canis latrans - coyote | male   | adult    | WA 09-2417 | NEG      |
| WA208    | 03/12/2009 | 01/22/2009      | #6 Ahtanum                               | yakima | canis latrans - coyote | female | adult    | WA 09-2418 | NEG      |
| WA209    | 03/12/2009 | 01/22/2009      | #6 Ahtanum                               | yakima | canis latrans - coyote | male   | adult    | WA 09-2419 | NEG      |
| WA210    | 03/12/2009 | 01/23/2009      | #16 Toppenish Ridge                      | yakima | canis latrans - coyote | female | adult    | WA 09-2420 | NEG      |
| WA211    | 03/12/2009 | 01/24/2009      | #6 Ahtanum                               | yakima | canis latrans - coyote | female | adult    | WA 09-2421 | NEG      |
| WA212    | 03/12/2009 | 02/07/2009      | #16 Toppenish Ridge                      | yakima | canis latrans - coyote | female | adult    | WA 09-2422 | NEG      |
| WA213    | 03/12/2009 | 02/07/2009      | #16 Toppenish Ridge                      | yakima | canis latrans - coyote | male   | adult    | WA 09-2423 | NEG      |
| WA214    | 03/12/2009 | 01/07/2009      | 4 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult    | WA 09-2424 | NEG      |
| WA215    | 03/12/2009 | 01/11/2009      | 4 miles southwest of White Swan          | yakima | canis latrans - coyote | female | juvenile | WA 09-2425 | NEG      |
| WA216    | 03/12/2009 | 01/19/2009      | 4 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | adult    | WA 09-2426 | NEG      |
| WA217    | 03/12/2009 | 01/26/2009      | 4 miles southwest of White Swan          | yakima | canis latrans - coyote | female | adult    | WA 09-2427 | NEG      |
| WA218    | 03/12/2009 | 01/26/2009      | 4 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | juvenile | WA 09-2428 | NEG      |
| WA219    | 03/12/2009 | 01/31/2009      | 4 miles southwest of White Swan          | yakima | canis latrans - coyote | male   | juvenile | WA 09-2429 | NEG      |
| WA220    | 03/12/2009 | 02/07/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | female | adult    | WA 09-2430 | NEG      |
| WA221    | 03/12/2009 | 02/07/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | female | juvenile | WA 09-2431 | NEG      |
| WA222    | 03/12/2009 | 02/08/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | female | adult    | WA 09-2432 | NEG      |
| WA223    | 03/12/2009 | 02/13/2009      | 3 miles southeast of white Swan          | yakima | canis latrans - coyote | female | adult    | WA 09-2433 | NEG      |
| WA224    | 03/12/2009 | 02/14/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | male   | adult    | WA 09-2434 | NEG      |

**Table 1. Wildlife Plague Surveillance, 2008-2009**

July 1, 2008 - June 30 2009

| State ID | Batch Date | Collection Date | Location                                 | County | Species                | Sex           | Age      | Accession  | Results* |
|----------|------------|-----------------|--|--------|------------------------|---------------|----------|------------|----------|
| WA225    | 03/12/2009 | 02/14/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | male          | adult    | WA 09-2435 | NEG      |
| WA226    | 03/12/2009 | 02/14/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | female        | juvenile | WA 09-2436 | NEG      |
| WA227    | 03/12/2009 | 02/15/2009      | 3 miles southeast of white Swan          | yakima | canis latrans - coyote | female        | juvenile | WA 09-2437 | NEG      |
| WA228    | 03/12/2009 | 02/20/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | male          | adult    | WA 09-2438 | NEG      |
| WA229    | 03/12/2009 | 02/28/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | female        | adult    | WA 09-2439 | NEG      |
| WA230    | 03/12/2009 | 02/28/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | male          | adult    | WA 09-2440 | NEG      |
| WA231    | 03/12/2009 | 03/01/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | male          | adult    | WA 09-2441 | NEG      |
| WA232    | 03/12/2009 | 03/01/2009      | 4 miles southeast of White Swan          | yakima | canis latrans - coyote | male          | adult    | WA 09-2442 | NEG      |
| WA233    | 03/12/2009 | 01/01/2009      | 6 miles north and 1 mile east of         | yakima | canis latrans - coyote | female        | adult    | WA 09-2443 | NEG      |
| WA234    | 03/12/2009 | 01/05/2009      | 6 miles north of Brownstown              | yakima | canis latrans - coyote | male          | adult    | WA 09-2444 | NEG      |
| WA235    | 03/12/2009 | 01/09/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | male          | adult    | WA 09-2445 | NEG      |
| WA236    | 03/12/2009 | 01/14/2009      | 8 miles north and 2 miles west of        | yakima | canis latrans - coyote | male          | adult    | WA 09-2446 | NEG      |
| WA237    | 03/12/2009 | 01/16/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | male          | adult    | WA 09-2447 | NEG      |
| WA238    | 03/12/2009 | 01/22/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | female        | adult    | WA 09-2448 | NEG      |
| WA239    | 03/12/2009 | 01/23/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | female        | adult    | WA 09-2449 | NEG      |
| WA240    | 03/12/2009 | 01/31/2009      | 7 miles north of Brownstown              | yakima | canis latrans - coyote | male          | adult    | WA 09-2450 | NEG      |
| WA241    | 03/12/2009 | 02/04/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | female        | adult    | WA 09-2451 | NEG      |
| WA242    | 03/12/2009 | 02/18/2009      | 8.5 miles north of Brownstown            | yakima | canis latrans - coyote | male          | adult    | WA 09-2452 | NEG      |
| WA243    | 03/12/2009 | 02/18/2009      | 8.5 miles north of Brownstown            | yakima | canis latrans - coyote | male          | adult    | WA 09-2453 | NEG      |
| WA244    | 03/12/2009 | 01/17/2009      | 5 miles north of Brownstown 3 miles west | yakima | canis latrans - coyote | male          | adult    | WA 09-2454 | NEG      |
| WA245    | 03/12/2009 | 01/17/2009      | 5 miles north of Brownstown 3 miles west | yakima | canis latrans - coyote | female        | adult    | WA 09-2455 | NEG      |
| WA246    | 03/12/2009 | 01/24/2009      | 7 miles south of Toppenish 10 miles west | yakima | canis latrans - coyote | female        | adult    | WA 09-2456 | NEG      |
| WA247    | 03/12/2009 | 01/24/2009      | 7 miles south of Toppenish 7 miles west  | yakima | canis latrans - coyote | male          | adult    | WA 09-2457 | NEG      |
| WA248    | 03/12/2009 | 01/24/2009      | 5 miles north of Brownstown 2 miles west | yakima | canis latrans - coyote | female        | adult    | WA 09-2458 | NEG      |
| WA249    | 03/12/2009 | 01/24/2009      | 5 miles north of Brownstown 2 miles west | yakima | canis latrans - coyote | female        | adult    | WA 09-2459 | NEG      |
| WA250    | 03/12/2009 | 02/02/2009      | 3 miles north of Brownstown 1 miles West | yakima | canis latrans - coyote | male          | adult    | WA 09-2460 | NEG      |
| WA251    | 03/12/2009 | 02/15/2009      | 3 miles north of Brownstown 2 miles West | yakima | canis latrans - coyote | female        | adult    | WA 09-2461 | NEG      |
| WA252    | 03/29/2009 | 01/02/2009      | 3 miles south of White Swan              | yakima | canis latrans - coyote | male          | juvenile | WA 09-2462 | NEG      |
| WA253    | 03/28/2009 | 01/04/2009      | 3 miles south of White Swan              | yakima | canis latrans - coyote | female        | adult    | WA 09-2463 | NEG      |
| WA254    | 03/27/2009 | 01/10/2009      | 3 miles south of White Swan              | yakima | canis latrans - coyote | female        | juvenile | WA 09-2464 | NEG      |
| WA255    | 03/26/2009 | 01/24/2009      | 3 miles south of White Swan              | yakima | canis latrans - coyote | male          | juvenile | WA 09-2465 | NEG      |
| WA256    | 03/25/2009 | 01/31/2009      | 3 miles south of White Swan              | yakima | canis latrans - coyote | female        | adult    | WA 09-2466 | NEG      |
| WA257    | 03/12/2009 | 02/07/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | female        | juvenile | WA 09-2467 | NEG      |
| WA258    | 03/12/2009 | 02/08/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | male          | juvenile | WA 09-2468 | NEG      |
| WA259    | 03/12/2009 | 02/14/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | female        | adult    | WA 09-2469 | NEG      |
| WA260    | 03/12/2009 | 02/15/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | female        | juvenile | WA 09-2470 | NEG      |
| WA261    | 03/12/2009 | 02/16/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | male          | juvenile | WA 09-2471 | NEG      |
| WA262    | 03/12/2009 | 02/21/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | male          | adult    | WA 09-2472 | NEG      |
| WA263    | 03/12/2009 | 02/21/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | female        | adult    | WA 09-2473 | NEG      |
| WA264    | 03/12/2009 | 02/27/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | male          | adult    | WA 09-2474 | NEG      |
| WA265    | 03/12/2009 | 02/28/2009      | 5 miles south of White Swan              | yakima | canis latrans - coyote | male          | adult    | WA 09-2475 | NEG      |
| WA266    | 03/12/2009 | 08/23/2008      | 6 miles White Swan                       | yakima | canis latrans - coyote | female        | adult    | WA 09-2476 | NEG      |
| WA267    | 03/12/2009 | 08/23/2008      | 7 miles White Swan                       | yakima | canis latrans - coyote | female        | juvenile | WA 09-2477 | NEG      |
| WA268    | 03/12/2009 | 08/24/2008      | No location provided                     | yakima | canis latrans - coyote | female        | juvenile | WA 09-2478 | NEG      |
| WA269    | 03/12/2009 | 08/27/2008      | 5 miles White Swan                       | yakima | canis latrans - coyote | female        | juvenile | WA 09-2479 | NEG      |
| WA270    | 03/12/2009 | 08/30/2008      | 6 miles White Swan                       | yakima | canis latrans - coyote | male          | juvenile | WA 09-2480 | NEG      |
| WA271    | 03/12/2009 | 09/01/2008      | 4 miles White Swan                       | yakima | canis latrans - coyote | blank/missing | juvenile | WA 09-2481 | NEG      |
| WA272    | 03/12/2009 | 09/06/2008      | 5 miles White Swan                       | yakima | canis latrans - coyote | blank/missing | juvenile | WA 09-2482 | NEG      |
| WA273    | 03/12/2009 | 09/08/2008      | White Swan 5 miles                       | yakima | canis latrans - coyote | female        | adult    | WA 09-2483 | NEG      |
| WA274    | 03/19/2009 | 12/14/2008      | 2 miles west of White Swan               | yakima | canis latrans - coyote | male          | adult    | WA 09-2484 | NEG      |
| WA275    | 03/20/2009 | 12/15/2008      | Area 3 4 miles north of White Swan       | yakima | canis latrans - coyote | female        | juvenile | WA 09-2485 | NEG      |
| WA276    | 03/21/2009 | 12/15/2008      | West Harrah                              | yakima | canis latrans - coyote | female        | juvenile | WA 09-2486 | NEG      |
| WA277    | 03/18/2009 | 12/23/2008      | Area 12 7 miles north of Harrah          | yakima | canis latrans - coyote | male          | adult    | WA 09-2487 | NEG      |
| WA278    | 03/12/2009 | 02/16/2009      | West Wapato Road and Banks Road          | yakima | canis latrans - coyote | blank/missing | adult    | WA 09-2488 | NEG      |
| WA279    | 03/22/2009 | 01/17/2009      | Ahtanum Ridge and Jones Road             | yakima | canis latrans - coyote | male          | adult    | WA 09-2489 | NEG      |
| WA280    | 03/23/2009 | 01/27/2009      | End of Jones Road and Ahtanum Ridge      | yakima | canis latrans - coyote | female        | adult    | WA 09-2490 | NEG      |

**Table 1. Wildlife Plague Surveillance, 2008-2009**

July 1, 2008 - June 30 2009

| State ID | Batch Date | Collection Date | Location                                 | County | Species                | Sex    | Age      | Accession  | Results* |
|----------|------------|-----------------|--|--------|------------------------|--------|----------|------------|----------|
| WA281    | 03/24/2009 | 01/28/2009      | North Brownstown Road and Ahtanum        | yakima | canis latrans - coyote | female | juvenile | WA 09-2491 | NEG      |
| WA282    | 03/12/2009 | 01/15/2009      | 10 miles                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2492 | NEG      |
| WA283    | 03/12/2009 | 01/15/2009      | 10 miles                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2493 | NEG      |
| WA284    | 03/12/2009 | 01/17/2009      | 10 miles                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2494 | NEG      |
| WA285    | 03/12/2009 | 01/17/2009      | 10 miles                                 | yakima | canis latrans - coyote | female | adult    | WA 09-2495 | NEG      |
| WA286    | 03/12/2009 | 01/21/2009      | 10 miles                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2496 | NEG      |
| WA287    | 03/12/2009 | 01/21/2009      | 10 miles                                 | yakima | canis latrans - coyote | female | adult    | WA 09-2497 | NEG      |
| WA288    | 03/12/2009 | 01/23/2009      | 10 miles                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2498 | NEG      |
| WA289    | 03/12/2009 | 01/24/2009      | 10 miles                                 | yakima | canis latrans - coyote | female | adult    | WA 09-2499 | NEG      |
| WA290    | 03/12/2009 | 02/15/2009      | Pioneer Road, Toppenish                  | yakima | canis latrans - coyote | female | adult    | WA 09-2500 | NEG      |
| WA291    | 03/12/2009 | 01/03/2009      | Mule Dry                                 | yakima | canis latrans - coyote | female | juvenile | WA 09-2501 | NEG      |
| WA292    | 03/12/2009 | 10/13/2008      | 15 miles of Toppenish                    | yakima | canis latrans - coyote | female | adult    | WA 09-2502 | NEG      |
| WA293    | 03/12/2009 | 10/13/2008      | 15 miles of Toppenish Unit 13 Mule Dry   | yakima | canis latrans - coyote | male   | juvenile | WA 09-2503 | NEG      |
| WA294    | 03/12/2009 | 10/23/2008      | 10 miles south of Wapato                 | yakima | canis latrans - coyote | male   | juvenile | WA 09-2504 | NEG      |
| WA295    | 03/14/2009 | 11/05/2008      | 15 miles south of Toppenish              | yakima | canis latrans - coyote | female | juvenile | WA 09-2505 | NEG      |
| WA296    | 03/12/2009 | 11/18/2008      | 17 miles south of Toppenish              | yakima | canis latrans - coyote | male   | adult    | WA 09-2506 | NEG      |
| WA297    | 03/13/2009 | 11/25/2008      | 12 miles of Toppenish                    | yakima | canis latrans - coyote | male   | adult    | WA 09-2507 | NEG      |
| WA298    | 03/16/2009 | 12/03/2008      | 13 miles south of Toppenish              | yakima | canis latrans - coyote | male   | adult    | WA 09-2508 | NEG      |
| WA299    | 03/15/2009 | 12/05/2008      | 13 miles of Toppenish                    | yakima | canis latrans - coyote | female | adult    | WA 09-2509 | NEG      |
| WA300    | 03/17/2009 | 02/28/2008      | Wiley City                               | yakima | canis latrans - coyote | female | juvenile | WA 09-2510 | NEG      |
| WA301    | 03/12/2009 | 01/03/2009      | Mule Dry                                 | yakima | canis latrans - coyote | female | adult    | WA 09-2511 | NEG      |
| WA302    | 03/12/2009 | 01/04/2009      | Mule Dry                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2512 | NEG      |
| WA303    | 03/12/2009 | 01/05/2009      | Mule Dry                                 | yakima | canis latrans - coyote | male   | adult    | WA 09-2513 | NEG      |
| WA304    | 03/12/2009 | 12/19/2008      | 2.5 miles west of Mansfield              | yakima | canis latrans - coyote | female | juvenile | WA 09-2514 | NEG      |
| WA305    | 03/12/2009 | 12/19/2008      | 5 miles north of White Swan              | yakima | canis latrans - coyote | male   | adult    | WA 09-2515 | NEG      |
| WA306    | 03/12/2009 | 12/20/2008      | 3 miles west of Harrah                   | yakima | canis latrans - coyote | female | juvenile | WA 09-2516 | NEG      |
| WA307    | 03/12/2009 | 12/21/2008      | Area 12                                  | yakima | canis latrans - coyote | male   | adult    | WA 09-2517 | NEG      |
| WA308    | 03/12/2009 | 02/03/2009      | Area 7, 1.5 miles southeast of Union Gap | yakima | canis latrans - coyote | male   | adult    | WA 09-2518 | NEG      |
| WA309    | 03/12/2009 | 02/03/2009      | Area 7, 1.5 miles southeast of Union Gap | yakima | canis latrans - coyote | female | juvenile | WA 09-2519 | NEG      |
| WA310    | 05/18/2009 | 03/29/2009      | 6 miles south of Wiley City              | yakima | canis latrans - coyote | female | adult    | WA 09-4899 | NEG      |
| WA311    | 05/18/2009 | 03/15/2009      | Harrah Road and Marion Drain             | yakima | canis latrans - coyote | female | adult    | WA 09-4900 | NEG      |
| WA312    | 05/18/2009 | 05/15/2009      | Shaker Church and Fort Road              | yakima | canis latrans - coyote | male   | adult    | WA 09-4901 | NEG      |
| WA313    | 05/18/2009 | 10/04/2008      | Unit #12 South Ahtanum                   | yakima | canis latrans - coyote | female | adult    | WA 09-4902 | NEG      |
| WA314    | 05/18/2009 | 10/04/2008      | Unit #12 South Ahtanum                   | yakima | canis latrans - coyote | female | juvenile | WA 09-4903 | NEG      |
| WA315    | 05/18/2009 | 03/11/2009      | 3 miles southwest of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4904 | NEG      |
| WA316    | 05/18/2009 | 03/11/2009      | 3 miles southwest of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4905 | NEG      |
| WA317    | 05/18/2009 | 03/17/2009      | 3 miles southwest of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4906 | NEG      |
| WA318    | 05/18/2009 | 03/17/2009      | 4 miles southwest of Whiteswan           | yakima | canis latrans - coyote | female | adult    | WA 09-4907 | NEG      |
| WA319    | 05/18/2009 | 03/23/2009      | 3 miles southeast of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4908 | NEG      |
| WA320    | 05/18/2009 | 03/26/2009      | 3 miles southeast of Whiteswan           | yakima | canis latrans - coyote | male   | juvenile | WA 09-4909 | NEG      |
| WA321    | 05/18/2009 | 03/27/2009      | 3 miles southeast of Whiteswan           | yakima | canis latrans - coyote | female | adult    | WA 09-4910 | NEG      |
| WA322    | 05/18/2009 | 03/27/2009      | 3 miles south of Whiteswan               | yakima | canis latrans - coyote | female | unknown  | WA 09-4911 | NEG      |
| WA323    | 05/18/2009 | 05/02/2009      | 4 miles southeast of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4912 | NEG      |
| WA324    | 05/18/2009 | 05/02/2009      | 4 miles southeast of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4913 | NEG      |
| WA325    | 05/18/2009 | 05/02/2009      | 4 miles southeast of Whiteswan           | yakima | canis latrans - coyote | male   | adult    | WA 09-4914 | NEG      |
| WA326    | 05/18/2009 | 05/03/2009      | 4 miles southeast of Whiteswan           | yakima | canis latrans - coyote | male   | juvenile | WA 09-4915 | NEG      |
| WA327    | 05/18/2009 | 03/04/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | female | adult    | WA 09-4916 | NEG      |
| WA328    | 05/18/2009 | 03/06/2009      | 8 miles north of Brownstown              | yakima | canis latrans - coyote | male   | adult    | WA 09-4917 | NEG      |
| WA329    | 05/18/2009 | 03/07/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | adult    | WA 09-4918 | NEG      |
| WA330    | 05/18/2009 | 03/07/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | juvenile | WA 09-4919 | NEG      |
| WA331    | 05/18/2009 | 03/14/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | juvenile | WA 09-4920 | NEG      |
| WA332    | 05/18/2009 | 03/21/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | female | juvenile | WA 09-4921 | NEG      |
| WA333    | 05/18/2009 | 03/22/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | adult    | WA 09-4922 | NEG      |
| WA334    | 05/18/2009 | 03/28/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | female | adult    | WA 09-4923 | NEG      |
| WA335    | 05/18/2009 | 03/28/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | adult    | WA 09-4924 | NEG      |
| WA336    | 05/18/2009 | 03/29/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | adult    | WA 09-4925 | NEG      |
| WA337    | 05/18/2009 | 04/04/2009      | 3 miles north of Whiteswan               | yakima | canis latrans - coyote | female | juvenile | WA 09-4926 | NEG      |
| WA338    | 05/18/2009 | 04/04/2009      | 5 miles south of Whiteswan               | yakima | canis latrans - coyote | male   | adult    | WA 09-4927 | NEG      |



**Table 1. Wildlife Plague Surveillance, 2008-2009**

July 1, 2008 - June 30 2009

| State ID | Batch Date | Collection Date | Location                          | County | Species                | Sex     | Age           | Accession  | Results* |
|----------|------------|-----------------|-----------------------------------|--------|------------------------|---------|---------------|------------|----------|
| WA339    | 05/18/2009 | 04/11/2009      | 5 miles south of Whiteswan        | yakima | canis latrans - coyote | male    | adult         | WA 09-4928 | NEG      |
| WA340    | 05/18/2009 | 04/12/2009      | 5 miles south of Whiteswan        | yakima | canis latrans - coyote | male    | adult         | WA 09-4929 | NEG      |
| WA341    | 05/18/2009 | 02/02/2009      | 6 miles north of Whiteswan        | yakima | canis latrans - coyote | female  | adult         | WA 09-4930 | NEG      |
| WA342    | 05/18/2009 | 02/04/2009      | 4 miles northwest of Whiteswan    | yakima | canis latrans - coyote | male    | blank/missing | WA 09-4931 | NEG      |
| WA343    | 05/18/2009 | 03/14/2009      | Union Gap                         | yakima | canis latrans - coyote | female  | adult         | WA 09-4932 | NEG      |
| WA344    | 05/18/2009 | 09/01/2008      | Kay Road and Ahtanum Ridge        | yakima | canis latrans - coyote | unknown | adult         | WA 09-4933 | NEG      |
| WA345    | 05/18/2009 | 09/26/2008      | Stevens Road and West Wapato Road | yakima | canis latrans - coyote | male    | adult         | WA 09-4934 | NEG      |
| WA346    | 05/18/2009 | 09/26/2008      | Stevens Road and Ahtanum Ridge    | yakima | canis latrans - coyote | female  | juvenile      | WA 09-4935 | NEG      |
| WA347    | 05/18/2009 | 01/13/2009      | North of Old Maid Road at base of | yakima | canis latrans - coyote | male    | adult         | WA 09-4936 | NEG      |
| WA348    | 05/18/2009 | 03/20/2009      | West Wapato and Stevenson road    | yakima | canis latrans - coyote | female  | juvenile      | WA 09-4937 | NEG      |
| WA349    | 05/18/2009 | 04/01/2009      | Whiteswan                         | yakima | canis latrans - coyote | female  | adult         | WA 09-4938 | NEG      |
| WA350    | 05/18/2009 | 04/27/2009      | Whiteswan                         | yakima | canis latrans - coyote | male    | adult         | WA 09-4939 | NEG      |
| WA351    | 05/18/2009 | 02/29/2009      | 10 miles                          | yakima | canis latrans - coyote | male    | juvenile      | WA 09-4940 | NEG      |
| WA352    | 05/18/2009 | 03/01/2009      | 10 miles                          | yakima | canis latrans - coyote | female  | adult         | WA 09-4941 | NEG      |
| WA353    | 05/18/2009 | 03/02/2009      | 10 miles                          | yakima | canis latrans - coyote | male    | adult         | WA 09-4942 | NEG      |
| WA354    | 05/18/2009 | 03/08/2009      | 10 miles                          | yakima | canis latrans - coyote | male    | adult         | WA 09-4943 | NEG      |
| WA355    | 05/18/2009 | 03/10/2009      | 10 miles                          | yakima | canis latrans - coyote | male    | adult         | WA 09-4944 | NEG      |
| WA356    | 05/18/2009 | 02/25/2009      | 10 miles                          | yakima | canis latrans - coyote | female  | adult         | WA 09-4945 | NEG      |
| WA357    | 05/18/2009 | 02/25/2009      | 10 miles                          | yakima | canis latrans - coyote | female  | juvenile      | WA 09-4946 | NEG      |
| WA358    | 05/18/2009 | 02/28/2009      | 10 miles                          | yakima | canis latrans - coyote | male    | adult         | WA 09-4947 | NEG      |
| WA359    | 05/18/2009 | 03/10/2009      | 10 miles                          | yakima | canis latrans - coyote | female  | adult         | WA 09-4948 | NEG      |
| WA360    | 05/18/2009 | 03/03/2009      | #6                                | yakima | canis latrans - coyote | female  | juvenile      | WA 09-4949 | NEG      |

\*Results Interpretation - NEG = Negative, QNS = Quantity not sufficient for testing

**Table 2. Specimens positive for plague by surveillance year, Washington 1975-2009**

| Surveillance Year*                            | Specimens  |             | Percent Positive |
|---|------------|-------------|------------------|
|   | Positive   | Tested      |                  |
| 1975-1976                                     | 2          | 409         | 0.5              |
| 1976-1977                                     | 0          | 283         | 0                |
| No surveillance - July 1977 through June 1978 |            |             |                  |
| 1978-1979                                     | 18         | 363         | 5.0              |
| 1979-1980                                     | 12         | 295         | 4.1              |
| 1980-1981                                     | 15         | 433         | 3.5              |
| 1981-1982                                     | 52         | 812         | 6.4              |
| 1982-1983                                     | 44         | 538         | 8.2              |
| 1983-1984                                     | 21         | 384         | 5.5              |
| 1984-1985                                     | 21         | 404         | 5.2              |
| 1985-1986                                     | 7          | 341         | 2.1              |
| 1986-1987                                     | 8          | 236         | 3.4              |
| 1987-1988                                     | 2          | 142         | 1.4              |
| No surveillance - July 1988 through June 1997 |            |             |                  |
| 1997-1998                                     | 2          | 97          | 2.1              |
| 1998-1999                                     | 5          | 151         | 3.3              |
| 1999-2000                                     | 12         | 92          | 13.0             |
| 2000-2001                                     | 3          | 183         | 1.6              |
| 2001-2002                                     | 2          | 123         | 1.6              |
| No surveillance - July 2002 through June 2003 |            |             |                  |
| 2003-2004                                     | 0          | 153         | 0                |
| 2004-2005                                     | 0          | 261         | 0                |
| 2005-2006                                     | 0          | 257         | 0                |
| 2006-2007                                     | 0          | 403         | 0                |
| 2007-2008                                     | 0          | 421         | 0                |
| 2008-2009                                     | 0          | 360         | 0                |
| <b>Total</b>                                  | <b>226</b> | <b>7141</b> | <b>3.2</b>       |

\*A surveillance year is July 1 through June 30.