

Plague Surveillance in Washington Summary Report, 2009-2010

This report summarizes wildlife plague surveillance activities and findings in Washington State for July 2009 through June 2010.

January 2011

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DOH 333-173 January 2011



Plague Surveillance in Washington - Summary Report, 2009-2010

Background

Plague is systemic bacterial infection of rodents caused by *Yersinia pestis*. It is typically transmitted to humans and other animals through bites by infected fleas or handling infected animals with the resulting entry of *Y. pestis* into cuts or abrasions. In humans, the disease can cause illness and death when not promptly treated.

Human plague infections average 5 to 15 cases each year in the western United States. About 1 in 7 of those infected die from the disease. Occurrences are mostly scattered and occur primarily in rural to semi-rural areas. Human plague is mostly concentrated in states: Arizona, Colorado, Nevada, New Mexico, and Oregon. Occasionally, human plague occurs in other western states including Montana, Idaho, Wyoming, Texas, and Washington.

Washington's reported history of human plague began in 1907, when three (possibly seven) people died in Seattle. Since then, only one human case has been reported. This case occurred in Yakima County in 1984, and involved an animal trapper. The trapper most likely acquired the disease after cutting himself while skinning an infected bobcat. With prompt medical attention, the trapper recovered without incident.

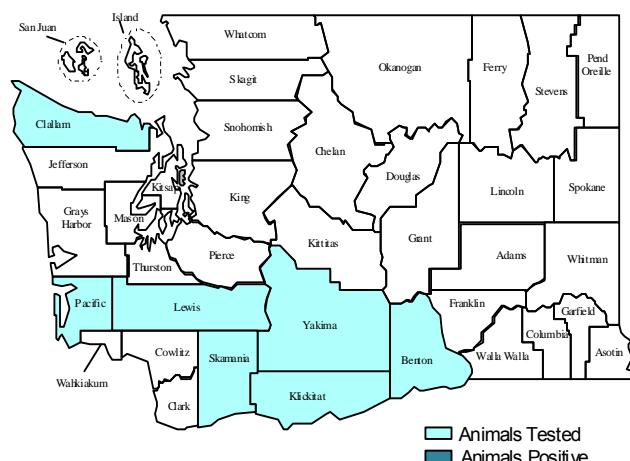
Surveillance Activity and Findings

The Washington State Department of Health collaborates with the US Centers for Disease Control and Prevention to conduct serologic survey of wildlife, primarily carnivores that fed upon rodents, to monitor plague prevalence in the state. Surveillance enables the Washington State Department of Health to alert local health departments to initiate and focus control and prevention efforts in communities where elevated plague activity is detected in local wildlife. It allows for timely health advisories to health care providers and veterinarians to be vigilant for signs of the disease, and to local residents about the risk and prevention of human plague.

During 2009-2010 wildlife plague surveillance season, 325 specimens from Washington State were submitted to the US Centers for Disease Control and Prevention for plague serology analysis. A typical plague surveillance season runs July through June which corresponds with trapping season. The majority (267) of these specimens was submitted by the Yakama Nation Wildlife Department and 58 specimens submitted by the Washington State Department of Fish & Wildlife nuisance trappers. Wildlife sampled include 267 coyotes collected from Yakima County, as well as 23 skunks, 10 deer mice, 9 raccoons, 7 voles, 5 shrews, 2 beavers, and 2 opossums collected from Benton, Clallam, Lewis, Klickitat, Pacific, and Skamania counties. Table 1 provides a breakout of the number of specimens collected by county. All serology test results were negative for antibodies against the bacterium, *Y. pestis* that causes plague.

Figure 1 shows the distribution of animals tested for plague by county for the 2009-2010 surveillance season. Additional details of wildlife plague surveillance

Figure 1. Distribution of animals tested for plague by county, Washington, July 2009 - June 2010



activities and findings for the season are presented in Appendix 1. This includes information on the particular specimen such as collection date, approximate vicinity of animal, species, and serology test results.

Since 1975, 24 seasons of wildlife plague surveillance have been conducted in Washington. State coverage of plague surveillance depends largely upon participating 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 2 shows the distribution of animals tested and those that tested positive for plague by county from July 1975 through June 2010. 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 detection occurred in 2002 when two coyotes tested positive from Grant County.

Table 1 and Table 2 summarize plague surveillance activity, July 1975 through June 2010. Respectively, the tables present a comparison of the number of specimens tested and positive by county and by surveillance season. Overall, 226 (3 percent) of 7,466 specimens have tested positive for antibodies against *Y. 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 in our state, see *Plague Surveillance in Washington State, Summary Report 1975-2008* and *Summary Report 2008-2009* at www.doh.wa.gov/ehp/ts/zoo/reports.htm.

Figure 2. Distribution of animals tested for plague by county, Washington, July 1975 - June 2010

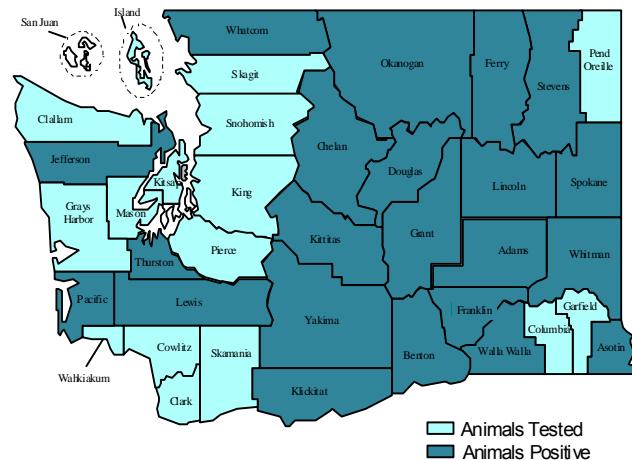


Table 1. Specimens tested and positive for plague by county, Washington, 1975-2010

Surveillance Season*		2009-2010			1975-2010		
County		Number of Specimens			Number of Specimens		
		Tested	Positive	Percent	Tested	Positive	Percent
Adams					269	2	0.74
Asotin					38	1	2.63
Benton	2	0	0		101	3	0.99
Chelan					65	4	6.15
Clallam	1	0	0		65	0	0
Clark					14	0	0
Columbia					13	0	0
Cowlitz					64	0	0
Douglas					161	14	8.70
Ferry					165	5	3.03
Franklin					237	3	1.27
Garfield					1	0	0
Grant					215	10	4.65
Grays Harbor					83	0	0
Island					48	0	0
Jefferson					58	1	1.72
King					154	0	0
Kitsap					35	0	0
Kittitas					137	19	13.87
Klickitat	24	0	0		39	1	2.56
Lewis	4	0	0		54	1	1.85
Lincoln					503	40	7.95
Mason					18	0	0
Okanogan					911	61	6.70
Pacific	5	0	0		24	1	4.17
Pend Oreille					62	0	0
Pierce					46	0	0
San Juan					No specimens collected		
Skagit					33	0	0
Skamania	22	0	0		30	0	0
Snohomish					10	0	0
Spokane					96	1	1.04
Stevens					161	2	1.24
Thurston					29	1	3.45
Wahkiakum					11	0	0
Walla Walla					70	2	2.86
Whatcom					184	3	1.63
Whitman					738	2	0.27
Yakima	267	0	0		2523	49	1.94
Unknown					1	0	0
Washington	325	0	0		7466	226	3.03

* A typical surveillance season runs July 1 through June 30.

Table 2. Specimens tested and positive for plague by surveillance season, Washington 1975-2010

Surveillance Season*	Number of Specimens		
	Tested	Positive	Percent
1975-1976	409	2	0.49
1976-1977	283	0	0
<i>No surveillance - July 1977 through June 1978</i>			
1978-1979	363	18	4.96
1979-1980	295	12	4.07
1980-1981	433	15	3.46
1981-1982	812	52	6.40
1982-1983	538	44	8.18
1983-1984	384	21	5.47
1984-1985	404	21	5.20
1985-1986	341	7	2.05
1986-1987	236	8	3.39
1987-1988	142	2	1.41
<i>No surveillance - July 1988 through June 1997</i>			
1997-1998	97	2	2.06
1998-1999	151	5	3.31
1999-2000	92	12	13.04
2000-2001	183	3	1.64
2001-2002	123	2	1.63
<i>No surveillance - July 2002 through June 2003</i>			
2003-2004	153	0	0
2004-2005	261	0	0
2005-2006	257	0	0
2006-2007	403	0	0
2007-2008	421	0	0
2008-2009	360	0	0
2009-2010	325	0	0
Total	7466	226	3.03

* A typical surveillance season runs July 1 through June 30.

Appendix 1. Wildlife Plague Surveillance Data, Washington, 2009-2010

State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA001	12/24/09	11/09/09	8 miles from Harrah	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0189	NEG
WA002	12/24/09	11/09/09	8 miles from Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0190	NEG
WA003	12/24/09	11/10/09	9 miles from Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0191	NEG
WA004	12/24/09	11/14/09	6 miles from Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0192	NEG
WA005	12/24/09	11/22/09	6 miles from Harrah	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0193	NEG
WA006	12/24/09	11/07/09	5 miles south of Toppenish, Unit 13	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0194	NEG
WA007	12/24/09	11/07/09	2 miles south of Toppenish, Unit 4	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0195	NEG
WA008	12/24/09	11/08/09	5 miles south of Toppenish, Unit 13	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0196	NEG
WA009	12/24/09	11/14/09	5 miles west of Mabton, Unit 14	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0197	NEG
WA010	12/24/09	11/15/09	2 miles south of Harrah, Unit 15	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0198	NEG
WA011	12/24/09	11/27/09	5 miles of White Swan, Unit 3	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0199	NEG
WA012	12/24/09	10/17/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0200	NEG
WA013	12/24/09	10/18/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0201	NEG
WA014	12/24/09	10/24/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0202	NEG
WA015	12/24/09	10/24/09	#3 White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0203	NEG
WA016	12/24/09	10/28/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0204	NEG
WA017	12/24/09	10/28/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0205	NEG
WA018	12/24/09	11/05/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0206	NEG
WA019	12/24/09	11/11/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0207	NEG
WA020	12/24/09	11/13/09	#12 South Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0208	NEG
WA021	12/24/09	11/13/09	#13 Dry Creek	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0209	NEG
WA022	12/24/09	11/13/09	#13 Dry Creek	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0210	NEG
WA023	12/24/09	11/01/09	#12 South Ahtanum Ridge	Yakima	<i>canis latrans</i>	coyote	female	juvenile	WA 10-0211	NEG
WA024	12/24/09	10/31/09	2 miles west of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0212	NEG
WA025	12/24/09	10/11/09	4 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0213	NEG
WA026	12/24/09	10/11/09	4 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0214	NEG
WA027	12/24/09	11/01/09	3 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0215	NEG
WA028	12/24/09	11/02/09	3 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0216	NEG
WA029	12/24/09	11/09/09	4 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0217	NEG
WA030	12/24/09	11/09/09	4 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0218	NEG
WA031	12/24/09	11/22/09	3 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0219	NEG
WA032	12/24/09	11/23/09	3 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0220	NEG
WA033	12/24/09	11/23/09	4 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0221	NEG
WA034	12/24/09	11/14/09	Unit 12	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0222	NEG
WA035	12/24/09	11/18/09	Unit 12	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0223	NEG
WA036	12/24/09	11/20/09	Unit 12	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0224	NEG
WA037	12/24/09	10/18/09	Wiley Road on Ahtanum	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0225	NEG
WA038	12/24/09	10/18/09	Wiley Road on Ahtanum	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0226	NEG
WA039	12/24/09	10/22/09	7 miles north and 1 mile east of Brownstown	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0227	NEG
WA040	12/24/09	11/12/09	8 miles northof Brownstown	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0228	NEG
WA041	12/24/09	11/01/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0229	NEG
WA042	12/24/09	11/07/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0230	NEG
WA043	12/24/09	11/07/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0231	NEG
WA044	12/24/09	11/14/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0232	NEG
WA045	12/24/09	11/21/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0233	NEG
WA046	12/24/09	11/26/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0234	NEG
WA047	12/24/09	11/27/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0235	NEG
WA048	12/24/09	11/28/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0236	NEG
WA049	12/24/09	11/29/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0237	NEG

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

Colored rows represent a set of specimens submitted by an individual trapper.

Appendix 1. Wildlife Plague Surveillance Data, Washington, 2009-2010

State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA050	12/24/09	11/29/09	5 miles southwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0238	NEG
WA051	12/24/09	11/04/09	7 miles north of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0239	NEG
WA052	12/24/09	11/15/09	6 miles northwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0240	NEG
WA053	12/24/09	12/07/09	5 miles northwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0241	NEG
WA054	12/24/09	12/07/09	9 miles north of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0242	NEG
WA055	12/24/09	10/09/09	Toppinish Ridge	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0243	NEG
WA056	12/24/09	10/09/09	Ahtanum Ridge, White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0244	NEG
WA057	12/24/09	10/09/09	Ahtanum Ridge, White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0245	NEG
WA058	12/24/09	10/09/09	Ahtanum Ridge, White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0246	NEG
WA059	12/24/09	11/12/09	Tule Road, Toppinish	Yakima	<i>Canis latrans</i>	coyote	blank/missing	adult	WA 10-0247	NEG
WA060	12/24/09	11/12/09	Tule Road, Toppinish	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0248	NEG
WA061	12/24/09	11/20/09	Ahtanum Ridge and Banks Road, Wapato	Yakima	<i>Canis latrans</i>	coyote	blank/missing	adult	WA 10-0249	NEG
WA062	12/24/09	11/28/09	Ahtanum Ridge and Stevenson Road, Wapato	Yakima	<i>Canis latrans</i>	coyote	blank/missing	adult	WA 10-0250	NEG
WA063	12/24/09	11/12/09	Fort Road and North Island	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0251	NEG
WA064	12/24/09	11/14/09	Fort Road and North Island	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-0252	NEG
WA065	12/24/09	11/30/09	Fort Road and North Island	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0253	NEG
WA066	12/24/09	11/22/09	3 to 4 miles northwest of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0254	NEG
WA067	12/24/09	10/06/09	Ahtanum Ridge west of Wiley City Road	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0255	NEG
WA068	12/24/09	10/24/09	Ahtanum Ridge by Radio Towers	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0256	NEG
WA069	12/24/09	10/24/09	Ahtanum Ridge by Radio Towers	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0257	NEG
WA070	12/24/09	11/30/09	Topp Ridge and Pumphouse	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0258	NEG
WA071	12/24/09	11/30/09	Topp Ridge and Pumphouse	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0259	NEG
WA072	12/24/09	10/03/09	Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0260	NEG
WA073	12/24/09	10/06/09	Ahtanum Ridge north of Brownstown	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0261	NEG
WA074	12/24/09	10/24/09	Ahtanum Ridge and Kays Road	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0262	NEG
WA075	12/24/09	11/04/09	Ahtanum Ridge north of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0263	NEG
WA076	12/24/09	11/24/09	Ahtanum Ridge and Kays Road	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0264	NEG
WA077	12/24/09	11/24/09	Ahtanum Ridge by Brownstown	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0265	NEG
WA078	12/24/09	11/27/09	Ahtanum Ridge and Kays Road	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-0266	NEG
WA079	12/24/09	11/28/09	Kays Road and Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0267	NEG
WA080	12/24/09	11/29/09	Hwy 97 and Topp Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0268	NEG
WA081	12/24/09	11/30/09	Unit 5	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0269	NEG
WA082	12/24/09	11/04/09	Area 12, 7 miles north of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-0270	NEG
WA083	12/24/09	11/25/09	5 miles north of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0271	NEG
WA084	12/24/09	12/01/09	3 miles north of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0272	NEG
WA085	12/24/09	12/06/09	3 miles north of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-0273	NEG
WA086	02/24/10	12/12/09	4 miles Harrah	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1154	NEG
WA087	02/24/10	12/26/09	3 miles Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1155	NEG
WA088	02/24/10	01/23/10	Unit 3	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1156	NEG
WA089	02/24/10	01/24/10	Unit 3	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1157	NEG
WA090	02/24/10	01/24/10	Unit 3	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1158	NEG
WA091	02/24/10	12/29/09	15 miles Mabton	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1159	NEG
WA092	02/24/10	01/05/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1160	NEG
WA093	02/24/10	01/05/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1161	NEG
WA094	02/24/10	01/05/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1162	NEG
WA095	02/24/10	01/05/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1163	NEG
WA096	02/24/10	01/07/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1164	NEG
WA097	02/24/10	01/07/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1165	NEG
WA098	02/24/10	01/11/10	2 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1166	NEG

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Appendix 1. Wildlife Plague Surveillance Data, Washington, 2009-2010

State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA099	02/24/10	01/11/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1167	NEG
WA100	02/24/10	01/11/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1168	NEG
WA101	02/24/10	01/17/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1169	NEG
WA102	02/24/10	01/21/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1170	NEG
WA103	02/24/10	01/27/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1171	NEG
WA104	02/24/10	01/27/10	4 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1172	NEG
WA105	02/24/10	01/09/10	Wapato 5 miles	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1173	NEG
WA106	02/24/10	01/09/10	Wapato 5 miles	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1174	NEG
WA107	02/24/10	01/09/10	Wapato 5 miles	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1175	NEG
WA108	02/24/10	12/12/09	White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1176	NEG
WA109	02/24/10	12/19/09	White Swan	Yakima	<i>Canis latrans</i>	coyote	male	u	WA 10-1177	NEG
WA110	02/24/10	12/31/09	White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1178	NEG
WA111	02/24/10	01/24/10	White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1179	NEG
WA112	02/24/10	01/30/10	Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1180	NEG
WA113	02/24/10	01/20/10	West Wapato Wildwood	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1181	NEG
WA114	02/24/10	01/20/10	West Wapato Wildwood	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1182	NEG
WA115	02/24/10	12/04/09	8 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1183	NEG
WA116	02/24/10	12/12/09	8 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1184	NEG
WA117	02/24/10	12/26/09	8 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1185	NEG
WA118	02/24/10	12/28/09	8 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1186	NEG
WA119	02/24/10	01/27/10	8 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1187	NEG
WA120	02/24/10	12/12/09	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1188	NEG
WA121	02/24/10	12/13/09	6 miles N of Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1189	NEG
WA122	02/24/10	12/13/09	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1190	NEG
WA123	02/24/10	12/13/09	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1191	NEG
WA124	02/24/10	12/13/09	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1192	NEG
WA125	02/24/10	12/27/09	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1193	NEG
WA126	02/24/10	12/27/09	3 miles E	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1194	NEG
WA127	02/24/10	01/02/10	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1195	NEG
WA128	02/24/10	01/02/10	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1196	NEG
WA129	02/24/10	01/08/10	6 miles N Brownstown 4 miles W	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1197	NEG
WA130	02/24/10	01/08/10	6 miles N Brownstown 6 miles W	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1198	NEG
WA131	02/24/10	01/08/10	6 miles N Brownstown 3 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1199	NEG
WA132	02/24/10	01/08/10	6 miles N Brownstown 2 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1200	NEG
WA133	02/24/10	01/09/10	6 miles N Brownstown 3 miles E	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1201	NEG
WA134	02/24/10	01/16/10	3 miles N Brownstown 7 miles N	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1202	NEG
WA135	02/24/10	01/17/10	5 miles N Mabton 3 miles W	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1203	NEG
WA136	02/24/10	01/17/10	5 miles N Mabton 5 miles W	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1204	NEG
WA137	02/24/10	01/29/10	6 miles N Mabton 5 miles W	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1205	NEG
WA138	02/24/10	01/29/10	5 miles n Mabton 7 miles W	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1206	NEG
WA139	02/24/10	12/05/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1207	NEG
WA140	02/24/10	12/06/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1208	NEG
WA141	02/24/10	12/12/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1209	NEG
WA142	02/24/10	12/19/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1210	NEG
WA143	02/24/10	12/25/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1211	NEG
WA144	02/24/10	12/26/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1212	NEG
WA145	02/24/10	12/31/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1213	NEG
WA146	02/24/10	12/31/09	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1214	NEG
WA147	02/24/10	01/01/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1215	NEG

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Colored rows represent a set of specimens submitted by an individual trapper.

Appendix 1. Wildlife Plague Surveillance Data, Washington, 2009-2010

State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA148	02/24/10	01/02/10	5 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1216	NEG
WA149	02/24/10	01/09/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1217	NEG
WA150	02/24/10	01/09/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1218	NEG
WA151	02/24/10	01/16/10	5 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1219	NEG
WA152	02/24/10	01/19/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1220	NEG
WA153	02/24/10	01/23/10	5 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1221	NEG
WA154	02/24/10	01/30/10	5 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1222	NEG
WA155	02/24/10	01/30/10	5 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1223	NEG
WA156	02/24/10	01/31/10	5 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1224	NEG
WA157	02/24/10	12/11/09	7 miles SE White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1225	NEG
WA158	02/24/10	12/13/09	6 miles NW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1226	NEG
WA159	02/24/10	12/14/09	5 miles Union Gap	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1227	NEG
WA160	02/24/10	02/04/10	7 miles N White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1228	NEG
WA161	02/24/10	12/08/09	West of Hwy 97 of Toppenish Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1229	NEG
WA162	02/24/10	12/26/09	Toppenish Ridge West of Hwy 97	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1230	NEG
WA163	02/24/10	01/14/10	N of Old Maid Road at base of Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1231	NEG
WA164	02/24/10	01/14/10	N of Old Maid Road at base of Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1232	NEG
WA165	02/24/10	01/23/10	Ahtanum Ridge and Kays Road near Wapato	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1233	NEG
WA166	02/24/10	01/23/10	Ahtanum Ridge and Kays Road near Wapato	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-1234	NEG
WA167	02/24/10	12/16/09	Fort Road and North Island	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1235	NEG
WA168	02/24/10	11/14/09	8 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1236	NEG
WA169	02/24/10	11/14/09	8 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1237	NEG
WA170	02/24/10	11/14/09	10 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1238	NEG
WA171	02/24/10	11/15/09	10 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1239	NEG
WA172	02/24/10	11/15/09	7 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1240	NEG
WA173	02/24/10	11/16/09	3 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1241	NEG
WA174	02/24/10	11/16/09	3 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1242	NEG
WA175	02/24/10	11/21/09	6 miles SE of Mabton	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1243	NEG
WA176	02/24/10	11/21/09	5 miles SE of Mabton	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1244	NEG
WA177	02/24/10	11/21/09	6 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1245	NEG
WA178	02/24/10	11/22/09	3 miles of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1246	NEG
WA179	02/24/10	11/22/09	5 miles SE of Mabton	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1247	NEG
WA180	02/24/10	11/28/09	3 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1248	NEG
WA181	02/24/10	11/28/09	5 miles N of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1249	NEG
WA182	02/24/10	12/05/09	2.5 miles SW White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-1250	NEG
WA183	02/24/10	12/20/09	1.5 Miles NW White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1251	NEG
WA184	02/24/10	01/10/10	Wiley City	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1252	NEG
WA185	02/24/10	01/25/10	Wiley City	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-1253	NEG
WA186	02/24/10	12/15/09	Unit 5	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1254	NEG
WA187	02/24/10	12/20/09	Unit 5	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1255	NEG
WA188	02/24/10	12/31/09	Unit 5	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-1256	NEG
WA189	04/16/10	04/07/10	3618 Cook's Hill Road, Centralia 98531	Lewis	<i>Mephitis mephitis</i>	striped skunk	male	adult	WA 10-3041	NEG
WA190	04/16/10	04/07/10	214 South Bunks Street, Centralia 98531	Lewis	<i>Procyon lotor</i>	raccoon	blank/missing	adult	WA 10-3042	QNS
WA191	04/16/10	04/09/10	382 SE Summit, Chehalis	Lewis	<i>Procyon lotor</i>	raccoon	male	adult	WA 10-3043	NEG
WA192	04/16/10	04/09/10	3618 Cook's Hill Road, Centralia 98531	Lewis	<i>Mephitis mephitis</i>	striped skunk	female	adult	WA 10-3044	NEG
WA193	04/16/10	03/29/10	Columbia Point - Columbia River North of mouth of YaBenton	Castor canadensis	beaver	female	adult		WA 10-3045	NEG
WA194	04/16/10	03/29/10	Columbia Point - Columbia River North of mouth of YaBenton	Castor canadensis	beaver	male	adult		WA 10-3046	NEG
WA195	04/16/10	03/16/10	Springcreek National Fish Hatchery, Underwood	Skamania	<i>Microtus sp.</i>	vole	female	adult	WA 10-3047	NEG
WA196	04/16/10	03/16/10	Springcreek National Fish Hatchery, Underwood	Skamania	<i>Microtus sp.</i>	vole	male	adult	WA 10-3048	NEG

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State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA197	04/16/10	03/16/10	Springcreek National Fish Hatchery, Underwood	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	female	juvenile	WA 10-3049	NEG
WA198	04/16/10	03/16/10	Springcreek National Fish Hatchery, Underwood	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	blank/missing	juvenile	WA 10-3050	NEG
WA199	05/19/10	04/29/10	Spring Creek Fish Hatcher, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	male	adult	WA 10-4691	NEG
WA200	05/19/10	04/29/10	Spring Creek Fish Hatcher, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	female	juvenile	WA 10-4692	NEG
WA201	05/19/10	04/29/10	Spring Creek Fish Hatcher, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	male	juvenile	WA 10-4693	NEG
WA202	05/19/10	04/29/10	Spring Creek Fish Hatcher, Cook, WA	Skamania	<i>Microtus</i> sp.	vole	female	adult	WA 10-4694	NEG
WA203	05/19/10	04/29/10	Spring Creek Fish Hatcher, Cook, WA	Skamania	<i>Microtus</i> sp.	vole	female	adult	WA 10-4695	NEG
WA204	05/19/10	05/02/10	Port Angeles, WA	Clallam	<i>Procyon lotor</i>	raccoon	male	adult	WA 10-4696	NEG
WA205	05/19/10	04/21/10	Ilwaco, WA	Pacific	<i>Procyon lotor</i>	raccoon	female	adult	WA 10-4697	NEG
WA206	05/19/10	04/22/10	Ilwaco, WA	Pacific	<i>Procyon lotor</i>	raccoon	male	adult	WA 10-4698	NEG
WA207	05/19/10	04/22/10	Ilwaco, WA	Pacific	<i>Procyon lotor</i>	raccoon	male	adult	WA 10-4699	NEG
WA208	05/19/10	04/23/10	Ilwaco, WA	Pacific	<i>Procyon lotor</i>	raccoon	male	adult	WA 10-4700	NEG
WA209	05/19/10	04/24/10	Ilwaco, WA	Pacific	<i>Procyon lotor</i>	raccoon	male	adult	WA 10-4701	NEG
WA210	06/07/10	05/20/10	Little White Salmon Fish Hatchery, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	female	adult	WA 10-5304	NEG
WA211	06/07/10	05/20/10	Little White Salmon Fish Hatchery, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	male	adult	WA 10-5305	NEG
WA212	06/07/10	05/20/10	Little White Salmon Fish Hatchery, Cook, WA	Skamania	<i>Microtus</i> sp.	vole	male	adult	WA 10-5306	NEG
WA213	06/07/10	05/20/10	Little White Salmon Fish Hatchery, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	male	adult	WA 10-5307	NEG
WA214	06/07/10	05/20/10	Little White Salmon Fish Hatchery, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	female	adult	WA 10-5308	NEG
WA215	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Peromyscus maniculatus</i>	deer mouse	male	adult	WA 10-5309	NEG
WA216	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Microtus</i> sp.	vole	female	adult	WA 10-5310	NEG
WA217	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Sorex trowbridgii</i>	trowbridge's shrew	female	juvenile	WA 10-5311	NEG
WA218	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Sorex trowbridgii</i>	trowbridge's shrew	female	adult	WA 10-5312	NEG
WA219	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Microtus</i> sp.	vole	male	adult	WA 10-5313	NEG
WA220	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Sorex trowbridgii</i>	trowbridge's shrew	male	adult	WA 10-5314	NEG
WA221	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Sorex trowbridgii</i>	trowbridge's shrew	female	adult	WA 10-5315	NEG
WA222	06/07/10	05/20/10	Willard Fish Hatchery, Cook, WA	Skamania	<i>Sorex trowbridgii</i>	trowbridge's shrew	female	adult	WA 10-5316	NEG
WA223	06/07/10	03/24/10	Pumphouse Road and Island Road	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5317	NEG
WA224	06/07/10	02/12/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5318	NEG
WA225	06/07/10	02/12/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5319	NEG
WA226	06/07/10	02/12/10	2 miles W of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5320	NEG
WA227	06/07/10	02/12/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5321	NEG
WA228	06/07/10	02/17/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5322	NEG
WA229	06/07/10	02/17/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5323	NEG
WA230	06/07/10	02/19/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5324	NEG
WA231	06/07/10	02/20/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5325	NEG
WA232	06/07/10	02/20/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5326	NEG
WA233	06/07/10	02/23/10	3 miles SW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5327	NEG
WA234	06/07/10	02/23/10	3 miles W of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5328	NEG
WA235	06/07/10	02/26/10	3 miles W of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5329	NEG
WA236	06/07/10	03/01/10	3 miles W of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5330	NEG
WA237	06/07/10	03/01/10	3 miles W of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5331	NEG
WA238	06/07/10	02/19/10	5 miles Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5332	NEG
WA239	06/07/10	02/19/10	White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5333	NEG
WA240	06/07/10	02/20/10	Wapato	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5334	NEG
WA241	06/07/10	02/26/10	Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5335	NEG
WA242	06/07/10	03/02/10	Wapato	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5336	NEG
WA243	06/07/10	03/06/10	Wapato	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5337	NEG
WA244	06/07/10	03/20/10	Wapato	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5338	NEG
WA245	06/07/10	03/27/10	White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5339	NEG

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Appendix 1. Wildlife Plague Surveillance Data, Washington, 2009-2010

State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA246	06/07/10	02/03/10	8 miles N and 5 miles W of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5340	NEG
WA247	06/07/10	02/20/10	9 miles N and 10 miles W of Harrah	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5341	NEG
WA248	06/07/10	02/09/10	6 miles S of Toppenish 10 miles W	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5342	NEG
WA249	06/07/10	02/10/10	6 miles S of Toppenish 11 miles W	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5343	NEG
WA250	06/07/10	02/07/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5344	NEG
WA251	06/07/10	02/06/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5345	NEG
WA252	06/07/10	02/13/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5346	NEG
WA253	06/07/10	02/13/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5347	NEG
WA254	06/07/10	02/15/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5348	NEG
WA255	06/07/10	02/20/10	5 miles W of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5349	NEG
WA256	06/07/10	02/20/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5350	NEG
WA257	06/07/10	02/27/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5351	NEG
WA258	06/07/10	02/28/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5352	NEG
WA259	06/07/10	02/28/10	5 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5353	NEG
WA260	06/07/10	03/06/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5354	NEG
WA261	06/07/10	03/06/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5355	NEG
WA262	06/07/10	03/07/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5356	NEG
WA263	06/07/10	03/13/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5357	NEG
WA264	06/07/10	03/20/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5358	NEG
WA265	06/07/10	03/21/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5359	NEG
WA266	06/07/10	03/21/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5360	NEG
WA267	06/07/10	03/27/10	5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5361	NEG
WA268	06/07/10	02/10/10	Kays Road 7 Ahtanum Ridge, Wapato	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5362	NEG
WA269	06/07/10	02/18/10	End of Kays Road & Ahtanum Ridge, Wapato	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5363	NEG
WA270	06/07/10	03/05/10	Ahtanum Ridge & End of Kays Road, Wapato	Yakima	<i>Canis latrans</i>	coyote	blank/missing	adult	WA 10-5364	NEG
WA271	06/07/10	03/12/10	End of Kays Road & Ahtanum Ridge, Wapato	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5365	QNS
WA272	06/07/10	04/23/10	N of Old Maid Road East of Ahtanum Ridge, White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5366	NEG
WA273	06/07/10	04/23/10	N of Old Maid Road on Ahtanum Ridge, White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5367	NEG
WA274	06/07/10	02/06/10	3 miles W of Harrah	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5368	NEG
WA275	06/07/10	02/13/10	4 miles N of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5369	NEG
WA276	06/07/10	02/14/10	3 miles NW of Brownstown	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5370	NEG
WA277	06/07/10	02/20/10	6 miles of NW of White Swan, Medicine Valley	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5371	NEG
WA278	06/07/10	03/13/10	5 Miles W of Mabton	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5372	NEG
WA279	06/07/10	02/06/10	5 miles W of Wapato	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5373	NEG
WA280	06/07/10	02/06/10	6 miles W of Wapato	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5374	NEG
WA281	06/07/10	02/06/10	8 miles S of Wapato	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA 10-5375	NEG
WA282	06/07/10	02/20/10	4 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5376	NEG
WA283	06/07/10	02/20/10	8 miles SE of Wapato	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5377	NEG
WA284	06/07/10	02/20/10	6 miles SE of Toppenish	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5378	NEG
WA285	06/07/10	02/27/10	5 miles S of Toppenish	Yakima	<i>Canis latrans</i>	coyote	female	juvenile	WA 10-5379	NEG
WA286	06/07/10	02/27/10	5 miles of Toppenish	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5380	NEG
WA287	06/07/10	02/27/10	7 miles SE of Wapato	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5381	NEG
WA288	06/07/10	02/20/10	1.5 miles S of White Swan	Yakima	<i>Canis latrans</i>	coyote	male	juvenile	WA 10-5382	NEG
WA289	06/07/10	01/29/10	6 miles N & 1 mile W of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5383	NEG
WA290	06/07/10	01/31/10	3 miles NW of White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA 10-5384	NEG
WA291	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6963	NEG
WA292	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	unknown	juvenile	WA 10-6964	NEG
WA293	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	adult	WA 10-6965	NEG
WA294	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6966	NEG

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State ID	Batchdate	Collection Date	Location	County	Species	Common Name	Sex	Age	Accession	Results
WA295	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6967	NEG
WA296	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6968	NEG
WA297	08/02/10	06/26/10	Dalles Port	Klickitat	<i>Didelphis virginiana</i>	opossum	male	juvenile	WA 10-6969	NEG
WA298	08/02/10	06/27/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6970	NEG
WA299	08/02/10	06/28/10	Dalles Port	Klickitat	<i>Procyon lotor</i>	raccoon	male	juvenile	WA 10-6971	NEG
WA300	08/02/10	06/28/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6972	NEG
WA301	08/02/10	06/28/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6973	NEG
WA302	08/02/10	06/28/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	adult	WA 10-6974	NEG
WA303	08/02/10	06/28/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6975	NEG
WA304	08/02/10	06/30/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6976	NEG
WA305	08/02/10	06/30/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6977	NEG
WA306	08/02/10	06/30/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6978	NEG
WA307	08/02/10	06/30/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6979	NEG
WA308	08/02/10	06/30/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	adult	WA 10-6980	NEG
WA309	08/02/10	06/30/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6981	NEG
WA310	08/02/10	07/01/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6982	NEG
WA311	08/02/10	07/01/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	male	juvenile	WA 10-6983	NEG
WA312	08/02/10	07/01/10	Dalles Port	Klickitat	<i>Didelphis virginiana</i>	opossum	female	juvenile	WA 10-6984	NEG
WA313	08/02/10	07/01/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6985	NEG
WA314	08/02/10	07/01/10	Dalles Port	Klickitat	<i>Mephitis mephitis</i>	striped skunk	female	juvenile	WA 10-6986	NEG
WA315	12/13/10	02/20/10	7 miles SE White Swan	Yakima	<i>Canis latrans</i>	coyote	male	blank	WA10-10836	NEG
WA316	12/13/10	02/20/10	5 miles SE White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA10-10837	NEG
WA317	12/13/10	02/20/10	6 miles SE White Swan	Yakima	<i>Canis latrans</i>	coyote	female	blank	WA10-10838	NEG
WA318	12/13/10	02/20/10	5 miles NE White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA10-10839	NEG
WA319	12/13/10	02/20/10	6 miles SE White Swan	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA10-10840	NEG
WA320	12/13/10	02/21/10	7 miles NE White Swan	Yakima	<i>Canis latrans</i>	coyote	male	blank	WA10-10841	NEG
WA321	12/13/10	02/22/10	7 miles NW White Swan	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA10-10842	NEG
WA322	12/13/10	05/12/10	Old Maid Road & Ahtanum Ridge, Wapato	Yakima	<i>Canis latrans</i>	coyote	blank/missing	adult	WA10-10846	NEG
WA323	12/13/10	05/12/10	Old Maid Road & Ahtanum Ridge, Wapato	Yakima	<i>Canis latrans</i>	coyote	blank/missing	adult	WA10-10847	NEG
WA324	12/13/10	06/10/10	N Bown Road & Ahtanum Ridge	Yakima	<i>Canis latrans</i>	coyote	female	adult	WA10-10848	NEG
WA325	12/13/10	06/10/10	Stevens Road & W Wapato	Yakima	<i>Canis latrans</i>	coyote	male	adult	WA10-10849	NEG

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