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USDA/APHIS/Wildlife Services Instructions for NAHLN Laboratories Testing Wild Bird Samples



April 2010

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Introduction:

Wildlife Services began partnering with the National Animal Health Laboratory Network (NAHLN) in 2006 when the avian influenza (AI) surveillance program was initiated. Wild bird surveillance samples submitted for AI testing are initially screened at one of 35 participating NAHLN labs in the United States. This partnership is a critical component of the surveillance program to ensure the early detection of highly pathogenic avian influenza (HPAI). The ability to efficiently control the spread of a highly infectious, exotic disease such as HPAI H5N1 is dependent on this ability to rapidly detect the pathogen if introduced by wild birds or other sources. A National Early Detection System for HPAI H5N1 is a necessary part of surveillance and would not be possible without the partnership with the NAHLN.

Wildlife Services and state wildlife agencies are allocated a target number of samples to collect for the biological year starting on April 1st and ending on March 31st of the following year. Ideally samples are collected from wild birds throughout the state and throughout the year, with an emphasis on investigating morbidity/mortality events. Detailed sample collection procedures can be found in *Wildlife Services & State/Tribal Cooperator Avian Influenza Surveillance Procedures Manual, April 2010* and surveillance plans can be found in *Implementation Plan for HPAI Surveillance in Wild, Migratory Birds in the United States, April 2010*.

After submission:

1. Initial screening of samples submitted for AI testing must be completed within 48 hours of receipt. This 48 hour deadline refers to standard business days (i.e. Monday thru Friday). For example, samples received on Thursday should be tested by Monday and samples received on Friday should be tested by Tuesday.

Samples should be kept refrigerated (not frozen) until tested. Laboratories with a 48 hour backlog of samples should advise submitters to send samples to an alternate NAHLN laboratory.

2. All samples submitted for AI testing will include one or more Wildlife Avian Influenza Surveillance Datasheets. These forms itemize the samples and identify them as being part of the National Early Detection System. The forms are intended to replace the standard submission forms typically required by each laboratory (see pages 9-12).

Testing:

1. **Each vial or sample tube should be tested individually** (not pooled). In the field collectors will be combining two swabs (cloacal and oropharyngeal) from apparently healthy wild birds in one sample collection tube. Additional pooling of wild bird samples should not occur. Samples from wild birds exhibiting signs of illness or found dead will be submitted as individual swabs from the cloaca and trachea. The swabs from these wild birds should not be pooled at the site of collection or in the laboratory as testing is conducted on a per sample basis. This step is different from poultry swabbing where pooling 5 oropharyngeal swabs into a single tube is acceptable. Poultry testing and diagnoses are conducted on a per flock basis while wild bird testing is conducted on an individual sample basis.
2. Vortex the vial or sample tube to rinse all material from the side of the tube and then centrifuge the tube at 1,500 x g for 25-30 minutes.
3. All samples are screened initially using the matrix gene real time Reverse Transcriptase Polymerase Chain Reaction (rRT-PCR) assay. Matrix samples with a cycle threshold (Ct) value below 45 are considered positive. If evidence of AI virus is detected (positive by the matrix assay) the samples are tested by the H5 and H7 subtyping rRT-PCR assays. No additional testing is required if the matrix gene rRT-PCR assay is negative.
4. All matrix positive samples should be tested using H5 Eurasian/North American (EA/NA) and the 2008 Pan-American H7 rRT-PCR assay. The H5 reagent bead assay has been shown to be less sensitive than the H5 EA/NA wet mix and is not an approved USDA testing procedure. The H5 EA/NA wet mix procedure uses the same North American forward primer that was initially described in the protocol (all versions previous to AVPRO1510.03) from National Veterinary Services Laboratories (NVSL) as well as a second Eurasian H5 forward primer to increase the sensitivity of detection of the Asian strain of H5N1 HPAI. The reverse primer and probe are the same as was described in the previous version of the AI rRT-PCR protocol from NVSL. H5 samples with Ct values below 40 are considered positive.
5. The 2008 Pan-American H7 rRT-PCR assay will continue to be used for testing during biological year 2010. The assay will detect LPAI H7 viruses found in North American wild birds as well as H7 viruses isolated from poultry in the U.S., Canada, and Chile, but will not detect all Eurasian H7 lineage viruses. H7 samples with Ct values below 45 are considered positive. PCR procedures and primer/probe sequences for the 2008 H7 rRT-PCR assay are described in AVPRO1510.04, AVSOP1520.02, AVSOP15210.02 and AVSOP1523.02. Please

- forward all 2008 H7 assay and chemistry questions to Jan Pedersen (515-337-7551, Janice.C.Pedersen@aphis.usda.gov).
6. NVSL will exchange H5 wet mix reagents for H5 beads. Contact Jan Pedersen (515-337-7551, Janice.C.Pedersen@aphis.usda.gov) to request an exchange or for questions regarding the testing protocol.
 7. Virus isolation should not be performed unless first agreed upon between Wildlife Services and the laboratory. Laboratories interested in further testing samples should contact Seth Swafford (970-266-6071, Seth.Swafford@aphis.usda.gov).

Presumptive H5/H7 Positive Samples:

1. If a sample tests presumptive positive using either the H5 or H7 assay, the remainder of the original sample should be sent immediately to the NVSL in Ames, Iowa for confirmation. All H5 or H7 positive samples with cycle thresholds (Cts) below the endpoint of the assay (below 40 Cts for H5 and below 45 Cts for H7) should be sent to NVSL for confirmation along with the appropriate paperwork as indicated in the Laboratory Testing Flow Chart (page 8).
 - Write “AI H5 Presumptive Positive” in box 8 (examinations requested) on the 10-4 form (page 9).
 - Call Jan Pedersen, Nichole Hines or Mary Lea Killian at (515) 337-7551 to notify NVSL that presumptive positive samples are being sent overnight. A copy of the VS submission form (10-4) with the shipping tracking number and carrier information (see page 9) should be faxed in duplicate to NVSL. It is not necessary to contact the VS – Area Veterinarian in Charge to complete the form or assign a foreign animal disease (FAD) number.
 - Fax one copy of the VS submission form (10-4) as well as the Wildlife Avian Influenza Surveillance Datasheet to the avian section of the Diagnostic Virology Laboratory at (515) 337-7348. It is not necessary to fax a second duplicate copy to the NVSL receiving department.
 - Also, copies of the Wildlife Avian Influenza Surveillance datasheets included in the submission should be sent immediately to Wildlife Services National Wildlife Disease Program, Attn: Dr. Thomas DeLiberto by fax (970) 266-6215 or by email to (WSlabresults@aphis.usda.gov). If sent via email, please include H5/H7 presumptive in the subject line. This will allow sample results to be quickly paired with field data/sample collection information.
2. An account has been set up with FedEx specifically for shipping samples to NVSL. The account number is **350371664**. If completing a hard copy of the FedEx form this account number should be entered in the field labeled “account number” and the Bill to Sender box should be checked. If using the online system to ship the samples (www.fedex.com), click on Ship – Prepare shipment online. The *user id* for this account is **nahlnlab** and the *password* is **sample 1**. The account number will automatically appear when you login. Select USDA, APHIS, VS, NVSL in the company name and the contact name and the address will automatically populate. Enter the information about the size and weight of the package. Click on the change sender address tab at the bottom of the page. Select the drop down menu for the current sender tab and select the correct sender

information. If you have any further questions related to shipping expenses, contact Mary Kimball (nwdpbilling@aphis.usda.gov) or (970-980-1546).

Reporting Presumptive H5 or H7 Positive Results:

1. Use the sample barcode number to report the results of the sample. It is critical that information on the Wildlife Avian Influenza Surveillance Datasheet be transcribed correctly when reporting the results. At a minimum, the collector, date collected, test(s), test result(s), sample type, and sample barcode number should be included with the results. If additional information is included with the results please ensure that this information is correct to avoid confusion when results are paired with the field data/sample collection information (see page 13-14).
2. All results from the laboratory should be sent to Wildlife Services National Wildlife Disease Program, Attn: Dr. Thomas DeLiberto by fax (970) 266-6215 or by email (WSlabresults@aphis.usda.gov). This will allow sample results to be paired with field data/sample collection information in a central data repository. Submitters will be able to access results using the web-based system. Results should not be distributed from the NAHLN or NVSL directly to collectors. Notifications to the state wildlife agency will be made by Wildlife Services.
3. Laboratories interested in entering results directly into the web-based system (Veterinary Services Laboratory Submissions (VSLS)) are encouraged (but not required) to do so. A written report is not required if results are entered directly into the web-based system. Questions regarding data entry should be directed to Kerri Pedersen (970-266-6272, Kerri.Pedersen@aphis.usda.gov) or Brandon Schmit (970-266-6079, Brandon.B.Schmit@aphis.usda.gov).
4. **Results should be reported within 24 hours of completion at the NAHLN laboratory.** The NAHLN laboratory results as well as the results from NVSL are reported in the online database (VSLS). Therefore, the results should not be listed as pending or be changed once the confirmatory testing has been completed at NVSL. Results should be reported as soon as they are available.
5. Wildlife Services notifies the Department of the Interior and state wildlife agencies of confirmed H5 and N1 results. Veterinary Services notifies the NAHLN lab as well as the Area Veterinarian In Charge, who in turn notifies the state veterinarian. The state veterinarian may notify poultry personnel or public health if deemed necessary.

Reporting Negative H5/H7 Results:

1. Follow the same instructions for reporting results for positive samples. Results should be reported within 24 hours of completion.

Billing:

1. Purchase orders have been established with each laboratory to pay for rRT-PCR tests conducted on samples submitted by Wildlife Services and state wildlife agencies participating in sample collection for the National Early Detection System. The purchase order numbers change on October 1st of each year. The submission form is labeled Wildlife Avian Influenza Surveillance Datasheet and

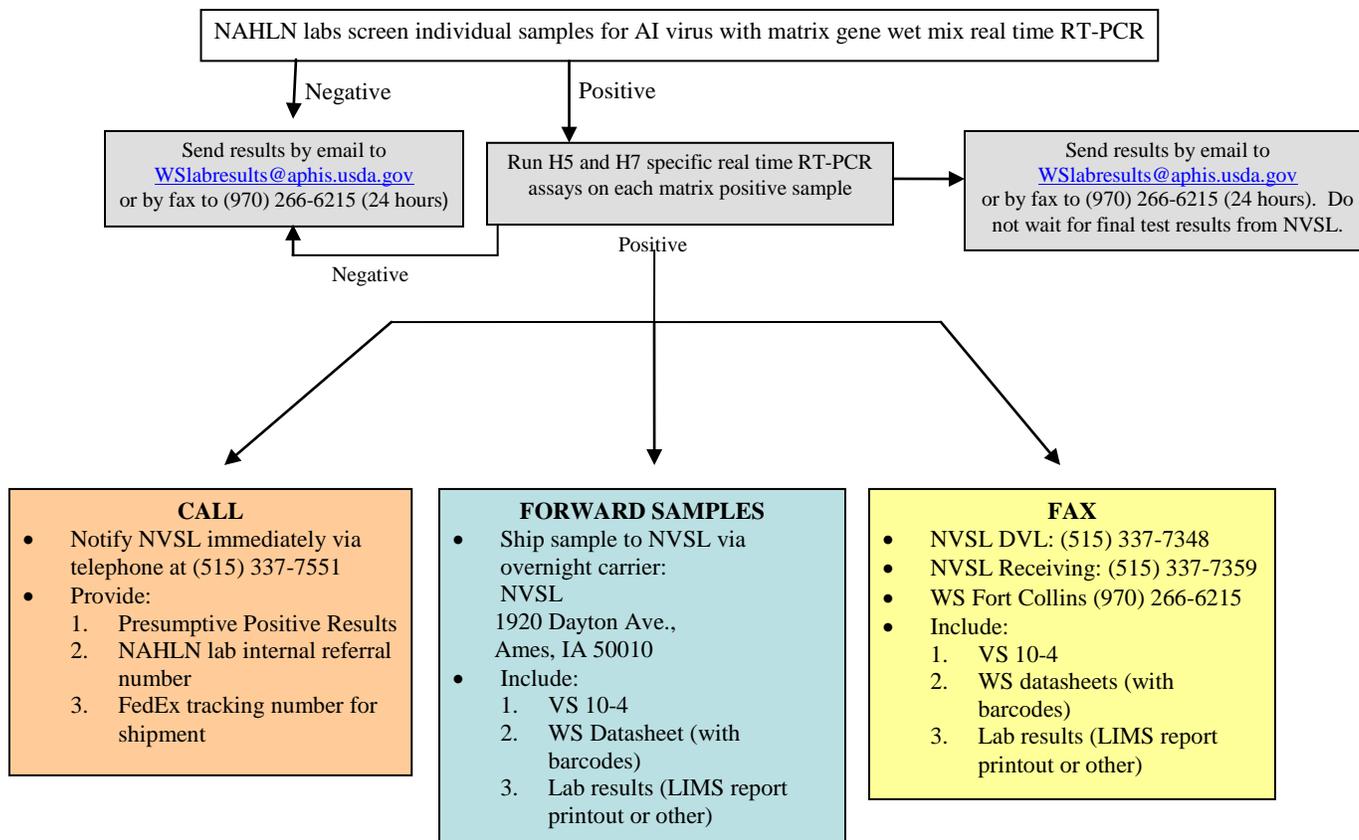
- should be accepted as evidence of participation in the surveillance program. If samples are submitted without the proper submission forms, please ensure correct billing to submitter. Wild bird samples submitted by the Department of Interior, universities, or other USDA entities will not be paid for by Wildlife Services unless a prior agreement has been made and communicated between the laboratory and Wildlife Services.
2. **It is preferred that invoices are submitted monthly to the Wildlife Services state office where the purchase order is set up.** During times of the year when large volumes of samples are being received, invoices may be submitted more frequently. Some NAHLN labs are analyzing samples from various states, so it is important to track and send invoices to the proper office which submitted the samples. Once the Wildlife Services state office has verified the receipt, they will forward the invoice to Wildlife Services National Wildlife Disease Program at nwdpbilling@aphis.usda.gov. The lab will be reimbursed by the Wildlife Services National Wildlife Disease Program for testing the samples.
 3. NAHLN labs will be reimbursed \$40 per individual sample regardless of the number of tests performed. For example, if a lab conducts a matrix test on a sample and it tests positive, the lab should then run H5 and H7 assays on the sample, and bill Wildlife Services \$40. If the matrix screening test is negative, no further testing is required and the charge is still \$40 (see page 15).

Archiving:

1. Creating a National Archive is a critical component of the National Early Detection System and managed by the Wildlife Services, National Wildlife Disease Program. The National Archive will facilitate characterization of all AI viruses in wild birds, which is vital to our understanding of how these viruses move among their natural reservoirs, domestic animals, and humans. Matrix positive, H5/H7 negative samples will be used to characterize H1-H4, H6, and H8-H16 viruses. Matrix negative and matrix positive samples in the archive will be made available for non AI related studies and additional diagnostics for foreign and emerging disease surveillance. The National Archive is accessible to other agencies, universities, and organizations upon request to the Wildlife Services National Wildlife Disease Program. Please contact Seth Swafford if interested in further sample analyses.
2. The remainder of all individual samples, regardless of results, will be sent to the Wildlife Services, National Wildlife Disease Program in Fort Collins, Colorado for archiving (see page 7, #10 for shipping address).
3. Consolidate samples by placing 40 original samples in each 40-section box that was shipped to the NAHLN laboratory by the submitter. **Please do not cover the original barcodes with any laboratory specific stickers or barcodes because this makes it impossible to scan the samples.** Do not send an aliquot or save an aliquot for any reason without prior approval from the Wildlife Services, National Wildlife Disease Program.
4. **A copy of the “Avian Influenza Archiving Inventory Form”** (not the datasheet submitted by the collector with the samples) **should be included with the samples** (see page 16). Each page should include the bar codes of 40 samples.

- Barcodes may be typed, hand-written, or scanned using a barcode scanner in the spaces provided in the form. Please complete all of the information requested on the form to ensure that the samples can be archived properly and that the additional information related to each barcode can be obtained from the online database. Electronic copies of the form are available by sending a request to Kerri.Pedersen@aphis.usda.gov or Brandon.B.Schmit@aphis.usda.gov.
5. Samples may be shipped to the Wildlife Services, National Wildlife Disease Program in the same shipping boxes they were received in. Contact Katie Brown (Kathryn.S.Brown@aphis.usda.gov or 970-266-6319), Ted Anderson (Theodore.D.Anderson@aphis.usda.gov or 970-266-6320) or John Baroch (John.A.Baroch@aphis.usda.gov or 970-266-6308) for a copy of the “United States Veterinary Permit for Importation and Transportation of Controlled Materials and Organisms and Vectors” to include with shipments of matrix positive samples. Matrix negative samples do not require the permit but should also be shipped for archiving purposes.
 6. Samples may be shipped on ice packs; however, Wildlife Services prefers that laboratories ship frozen samples on dry ice. Please indicate on the datasheet how the samples were shipped.
 7. **IMPORTANT:** Contact Katie Brown (Kathryn.S.Brown@aphis.usda.gov or 970-266-6319), Ted Anderson (Theodore.D.Anderson@aphis.usda.gov or 970-266-6320) or John Baroch (John.A.Baroch@aphis.usda.gov or 970-266-6308) for notification that you will be sending samples for archiving and to confirm that there will be someone available to receive them. Please specify that the samples are being sent for archiving.
 8. Samples may be shipped to Wildlife Services Monday through Thursday.
 9. Wildlife Services will pay for shipping samples from the NAHLN laboratory to Fort Collins, Colorado for archiving. An account number **350371664** has been set up with FedEx. If completing a hard copy of the FedEx form, this account number should be entered in the field labeled “account number” and the Bill to Sender box should be checked. If using the online system to ship the samples (www.fedex.com), click on Ship – Prepare shipment on line. The *user id* for this account is **nahlmlab** and the *password* is **sample 1**. The account number will automatically appear when you login to the system. Select USDA, APHIS, VS, NVSL in the company name and the contact name and the address will automatically populate. Enter the information about the size and weight of the package. Click on the change sender address tab at the bottom of the page. Select the current sender drop down menu and select the correct sender information. If you have any further questions related to shipping expenses, contact Mary Kimball (nwdpbilling@aphis.usda.gov) or (970-980-1546).
 10. Send the samples FedEx Standard Overnight to: Katie Brown or Ted Anderson, USDA-APHIS Wildlife Services, 4101 LaPorte Ave., Fort Collins, CO 80521.
 11. Additional questions related to archiving may be directed to John Baroch at 970-266-6308 or John.A.Baroch@aphis.usda.gov.

LABORATORY TESTING AND NOTIFICATION FLOW CHART



 Wildlife Avian Influenza Surveillance Data Sheet 		Page of	
Collector: Clark Kent Agency: USDA-Wildlife Services Phone number: (111) 222-3333		Testing Laboratory: Kansas Veterinary Diag. Lab City: Manhattan State: KS	
Referral # KSCK02 05 09 <small>State, initials, month, day, year</small>		3 most abundant species on site CAGO / MALL /	
GPS location (In WGS 84 and decimal degrees): N [REDACTED] W [REDACTED]		Collection Site: [REDACTED]	
Date collected: 2/5/09		Collection Strategy (circle one): Live bird Hunter Harvest Agency Harvest Sentinel Morbidity/Mortality	

Sample Bar Code	Bird Species Code	Sex:	Age Class	Sample Type:	Comments:
1-  A00653856	MALL	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc) KS-101
1-  A00653855	MALL	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc) KS-101
1-  A00653854	CAGO	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc) KS-102
1-  A00653853	CAGO	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc) KS-102
Sample Bar Code	Bird Species Code	Sex: 1. Male 2. Female 3. Unknown	Age Class 1. Hatch Year 2. After Hatch Year 3. Undetermined	Sample Type: 1. Cloacal 2. Tracheal 3. Oral + Cloacal	Comments: (Subject ID, band #, condition, etc)

Date Samples Shipped to Testing Lab: 2 / 5 / 09 # of samples in referral: 4

Check here if collector info is same as submitter

Name of Submitter: _____ Phone # of submitter _____

Please send all results to Dr. Thomas DeLiberto by email (WSlabresults@aphis.usda.gov) or by fax to (970) 266-6215. Call NVSL immediately at (515) 663-7551 with all positive H5/H7 rRT-PCR results. Results may also be entered in directly to the lab submission website: <https://cowebapps.aphis.usda.gov/vslabsub/login.do>.

Comments _____

FOR LAB USE ONLY

Revision 1-21-09

 Wildlife Avian Influenza Surveillance Data Sheet 		Page 1 of 2	
Collector: Peter Parker Agency: USDA-Wildlife Services Phone number: (111) 222-3333		Testing Laboratory: Kansas Veterinary Diag. Lab City: Manhattan State: KS	
Referral # KSPPO22309 <small>State, initials, month, day, year</small>		3 most abundant species on site MALL ' AGWT ' AMWI	
GPS location (In WGS 84 and decimal degrees): N [REDACTED] W [REDACTED]		Collection Site: [REDACTED]	
Date collected: 2/23/09		Collection Strategy (circle one): <input checked="" type="radio"/> Live bird <input type="radio"/> Hunter Harvest <input type="radio"/> Agency Harvest <input type="radio"/> Sentinel <input type="radio"/> Morbidity/Mortality	
Please charge to purchase order #: AG-6395-K-09-0103		County: Blaine State: KS	

Sample Bar Code	Bird Species Code	Sex:	Age Class	Sample Type:	Comments:
2-  A00268162	MALL	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
2-  A00268163	AMWI	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
1-  A00268164	AMWI	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
1-  A00268165	AGWT	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
1-  A00268166	AGWT	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)

Date Samples Shipped to Testing Lab: 2 / 23 / 09 # of samples in referral: 7

Check here if collector info is same as submitter

Name of Submitter: _____ Phone # of submitter: _____

Please send all results to Dr. Thomas DeLiberto by email (WSlabresults@aphis.usda.gov) or by fax to (970) 266-6215. Call NVSL immediately at (515) 663-7551 with all positive H5/H7 rRT-PCR results. Results may also be entered in directly to the lab submission website: <https://cowebapps.aphis.usda.gov/vslabsub/login.do>.

Comments _____

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Revision 1-21-09

Wildlife Avian Influenza Surveillance Data Sheet		Page 2 of 2	
Collector: Peter Parker Agency: USDA-Wildlife Services Phone number: (111) 222-3333	Testing Laboratory: Kansas Veterinary Diag. Lab City: Manhattan State: KS	Please charge to purchase order #: AG-6395-K-09-0103	
Referral # KSP02 23 09 <small>State, initials, month, day, year</small>	3 most abundant species on site MALL / AGWT / AMW1	County Blaine	State KS
GPS location (In WGS 84 and decimal degrees): N [REDACTED] W [REDACTED]		Collection Site: [REDACTED]	
Date collected: 2/23/09	Collection Strategy (circle one): <input checked="" type="radio"/> Live bird <input type="radio"/> Hunter Harvest <input type="radio"/> Agency Harvest <input type="radio"/> Sentinel <input type="radio"/> Morbidity/Mortality		

Sample Bar Code	Bird Species Code	Sex:	Age Class	Sample Type:	Comments:
1-	MALL	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
1-	CAGO	1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
		1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
		1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)
		1. Male 2. Female 3. Unknown	1. Hatch Year 2. After Hatch Year 3. Undetermined	1. Cloacal 2. Tracheal 3. Oral + Cloacal	(Subject ID, band #, condition, etc)

Date Samples Shipped to Testing Lab: 2 / 23 / 09 # of samples in referral: 7

Check here if collector info is same as submitter

Name of Submitter: _____ Phone # of submitter: _____

Please send all results to Dr. Thomas DeLiberto by email (WSlabresults@aphis.usda.gov) or by fax to (970) 266-6215. Call NVSL immediately at (515) 663-7551 with all positive H5/H7 rRT-PCR results. Results may also be entered in directly to the lab submission website: <https://cowebapps.aphis.usda.gov/vslabsub/login.do>.

Comments _____

FOR LAB USE ONLY

Revision 1-21-09

Kansas State Veterinary Diagnostic Laboratory

1800 Dennison Ave D-117

Manhattan, KS 66506

(785) 532-5650

Referral # KSCCK020509
Date received: 02-05-09
Date completed: 02-07-09

Collector:
USDA Wildlife Services
Clark Kent

Sample Number	Species	Sample Type	Matrix	H5 Result	H7 Result
A00653856	MALL	Cloacal	Negative		
A00653855	MALL	Tracheal	Positive	Negative	Negative
A00653854	CAGO	Cloacal	Negative		
A00653853	CAGO	Tracheal	Negative		

Kansas State Veterinary Diagnostic Laboratory

1800 Dennison Ave D-117

Manhattan, KS 66506

(785) 532-5650

Referral # KSPP022309
Date received: 02-23-09
Date completed: 02-25-09

Collector:
 USDA Wildlife Services
 Peter Parker

Sample Number	Species	Sample Type	Matrix	H5 Result	H7 Result
A00268162	MALL	Oral + Cloacal	Positive	Positive	Negative
A00268163	AMWI	Oral + Cloacal	Negative		
A00268164	AMWI	Oral + Cloacal	Positive	Negative	Negative
A00268165	AGWT	Oral + Cloacal	Negative		
A00268166	AGWT	Oral + Cloacal	Negative		
A00268167	MALL	Oral + Cloacal	Negative		
A00268168	CAGO	Oral + Cloacal	Negative		

Kansas State Veterinary Diagnostic Laboratory

1800 Dennison Ave D-117

Manhattan, KS 66506

Phone: (785) 532-5650

Fax: (785) 297-1282

ORIGINAL INVOICE**Invoice No:** 123-09**Purchase Order No:** AG-6395-K-10-0103**Date Submitted for Payment:** 03-01-09**Testing Dates:** 02-01-09 through 02-28-09**Bill to:**

USDA-APHIS-WS (AI Testing)

4070 Ft. Riley Blvd.

Manhattan, KS 66502

Previous Balance	Payments	<u>Payable Upon Receipt</u>		Current Charges	Balance Due
		Late Fees	Adjustments		
----- \$2,500.00	\$2,500.00	0.00	-\$2,500.00	\$440.00	\$440.00

Services Rendered

AI Wild Bird Surveillance Testing – February 2008

Referral #'s KSCCK020509
 KSPP022309**Fee**

4 samples x \$40 = \$160

7 samples x \$40 = \$280

TOTAL AMOUNT DUE**\$440.00**

Balance History: >30 days	>60 days	>90 days	>120 days	>150 days
0.00	0.00	0.00	0.00	0.00

PLEASE SEND REMITTANCE TO:

Kansas State Veterinary Diagnostic Laboratory

1800 Dennison Ave D-117

Manhattan, KS 66506

Phone: (785) 532-5650

U.S. DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE WILDLIFE SERVICES 4101 LAPORTE AVE. FORT COLLINS, CO 80521 (970) 266-6000			INSTRUCTIONS: Include a copy of this datasheet with submission of all avian influenza samples for archiving.		PAGE OF
AVIAN INFLUENZA ARCHIVING INVENTORY FORM NAME OF NAHLN LAB SUBMITTER			PHONE NUMBER		DATE
LAB NAME & MAILING ADDRESS (Street, City, State, and Zip code)			EMAIL OF NAHLN SUBMITTER		
			TOTAL # OF SAMPLES SUBMITTED	STATE WHERE COLLECTED	
SAMPLE BAR CODE	SAMPLE BAR CODE	SAMPLE BAR CODE	SAMPLE BAR CODE	SAMPLE BAR CODE	
COMMENTS		SHIPPING METHOD <input type="checkbox"/> Dry Ice <input type="checkbox"/> Ice Packs	SIGNATURE OF NAHLN SUBMITTER AND DATE		
WS USE ONLY					
RECEIVED BY	STORAGE LOCATION (freezer number & shelf)		DATE ENTERED	INITIAL WHEN ENTERED	