

Project Title: Report on HPAI Surveillance Activities for 2007-08 on Pocosin Lakes National Wildlife Refuge.

Submitter: Wendy Stanton, Wildlife Biologist, Pocosin Lakes NWR

Project Year: November 20, 2007 through August 2008.

Background: The 12,350 acre Pungo Unit of Pocosin Lakes National Wildlife Refuge, was established in 1963 to provide wintering habitat for migratory waterfowl. The Pungo Unit includes the 2,900 acre Pungo Lake, over 400 acres of intensely managed moist soil unit habitat and 1,250 acres of cropland. During flooded conditions, other habitat types that support waterfowl on this Unit include hardwood swamp forest, cypress - gum swamp and shrub pocosin.

The Pungo Unit, designated as a globally important bird area, hosts large populations of waterfowl species that have been identified for live bird or mortality surveillance for the Highly Pathogenic Avian Influenza H5N1 virus. Annually, over 100,000 migratory waterfowl winter on the Pungo Unit including 26,000 (24% of the Eastern Population of tundra swans), 78,000 greater snow geese and 20 species of ducks. Historically, the Pungo Unit has been an ideal site for capturing and banding tundra swans and other wintering waterfowl species. During the summer months, one of the primary biological programs is wood duck trapping and banding at various banding sites on the Pungo Unit and other areas on the refuge.

Proposal and Results: Both prospective live bird surveillance and mortality surveillance for HPAI was conducted.

Live Bird Surveillance: Target species during the winter included tundra swans and other incidentally captured waterfowl species. During the spring and summer of 2008, target species included wood ducks during the banding season and other incidentally captured waterfowl (i.e.; mallards). Live birds were captured with rocket nets. As per the NWHC protocol, separate cloacal and oropharyngeal swabs were collected on all captured waterfowl and placed in a single vial. In addition, USFWS bands were placed on all newly captured birds and recaptured bands were recorded appropriately. Other data collected included species, sex, and age.

During the winter months, 120 tundra swans were live-captured and swabbed. On average, 16,000 tundra swans were present in Pungo Lake during live-captured events. During the spring and summer months, 19 wood ducks were live-captured and swabbed. On average, 15 wood ducks were observed around the banding sites during live-captured events. Lab results for the swan and wood duck data were negative for the HPAI H5N1 virus (please see attached lab results by batch). Due to drought conditions, the primary wood duck banding site became completely dried. We were unable to locate another banding site due to the on-going Evan's Road Wildfire that resulted in closing the majority of the refuge to non-fire personnel. To supplement wood duck capture efforts in canals and other wood duck habitat accessible to us, five swim-in-traps were constructed

and deployed. Unfortunately, bears destroyed the traps within three days of deployment. Repairs were made on three of the salvageable traps, but they were again destroyed by bears within two days of deployment.

Mortality surveillance: Surveillance was conducted during routine ground and aerial waterfowl surveys. Target species included tundra swans and other waterfowl species. Aerial surveys were conducted twice a month from November 15 through March 15. Ground surveys were conducted by truck or ATV twice a month from November through March. During late spring and summer, additional ground mortality surveys were conducted with an ATV around the smaller dikes encompassing moist soil units.. Also, in conjunction with other refuge duties, staff and volunteers were directed to report and collect sick and dead birds for the wildlife biologist based on mortality surveillance protocols. Approximately 125 hours of mortality surveys were conducted between November 2007 through July 2008 by college interns, volunteers, and wildlife biologist. Fire and maintenance personnel reported two dead tundra swans and four dead greater snow geese. Unfortunately they were heavily depredated or decomposed and samples could not be taken. Three sick or crippled tundra swans were observed in Pungo Lake and Jones Pond Moist Soil Unit but could not be captured. No dead or sick wood ducks were observed.

Table 1. Numbers of live and morbid birds sampled for HPAI- H5N1.

Species	Number Morbid or sick Observed	Number Morbid Sampled	Number Live Sampled	Lab Result for HPAI- H5N1
Tundra swan	5	0	120	Negative
Wood duck	0	0	19	Negative
Greater snow goose	4	0	0	0

Equipment Purchased:

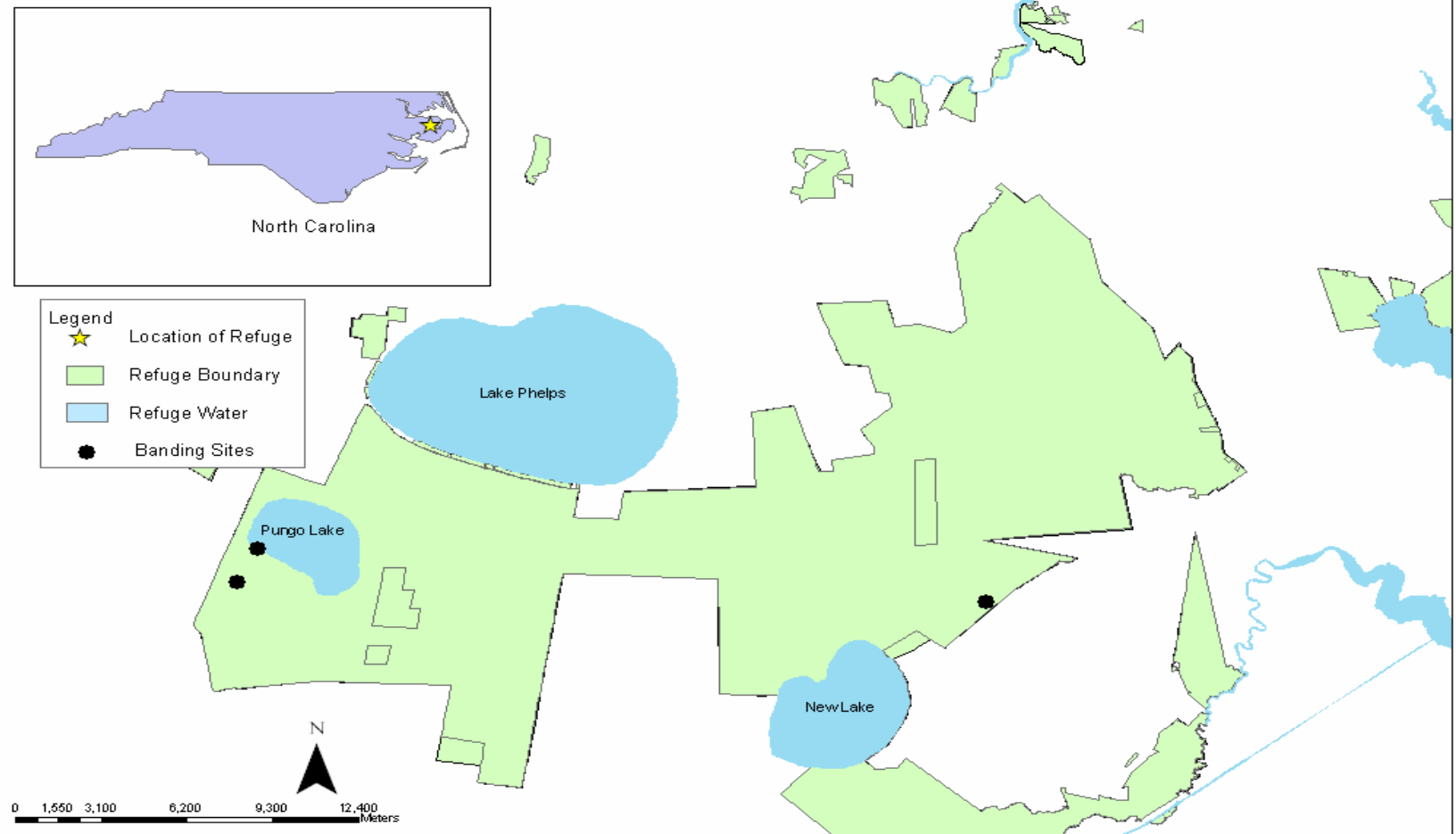
Copies of all invoices have been mailed to Deborah Freeman.

Item	Cost
Banding supplies	\$6,340.27
Winn Star charges	\$2,100
Rocket Nets	\$9,068.80
Rockets	2,403.80
AI Swab supplies and shipping containers, etc.	\$1,839.86
Intern stipend, training	\$1,851.29
Trash cans to hold nets	\$1664.88

Fuel	\$795.77
PPE and supplies	\$645.52
ATV	\$4,850
Federal Express	\$250.11
Total	\$31,810.30

Recommendations for improvement: I have very few recommendations for improvements. The training offered at NCTC was outstanding and covered the sampling protocols, hands-on swabbing opportunities, history and biology of the HPAI H5N1 virus. The National Wildlife Health Center, in particular Richard Zane, provided excellent support to the field. The grant provided much needed funding to conduct the surveillance. The only improvement would be to provide the funding to the field stations earlier in the fiscal year.

Pocosin Lakes NWR: Location of Banding Sites



Batch #	Date Received	Group Identifier	Band ID	Type	CP ID/ Band Number	Sample Number	Species	Species4	SpeciesOrder	SpeciesFamily	FinalSpecies	Sex	Age	Place Name	Lat Degrees WGS84	Long Degrees WGS84	State	County/Borough	Date Collected	Sample Type	Carcass Condition
320	19-Jan-08	PLNWR-8	Band		0669-21406	44376-385	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-30	Band		0669-21425	44376-387	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-44	Band		0669-21439	44376-388	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-54	Band		0669-21445	44376-389	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-26	Band		0669-21423	44376-390	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-3	Band		0669-21403	44376-391	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-1	Band		0669-21401	44376-392	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-29	Band		0649-06270	44376-393	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-31	Band		0669-21427	44376-394	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-25	Band		0669-21421	44376-395	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-14	Band		0649-09973	44376-396	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-48	Band		0669-21438	44376-397	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-5	Band		0559-98148	44376-398	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-38	Band		0669-21428	44376-399	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-7	Band		0559-97111	44376-400	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-47	Band		0669-21440	44376-401	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-28	Band		0669-21422	44376-402	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-9	Band		0669-21408	44376-403	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-20	Band		0669-21413	44376-404	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-21	Band		0669-21417	44376-405	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-40	Band		0669-21435	44376-407	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-34	Band		0669-21430	44376-408	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-12	Band		0669-21410	44376-410	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-17	Band		0669-24037	44376-411	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-18	Band		0669-21415	44376-412	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-22	Band		0669-21419	44376-413	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-41	Band		0609-01353	44376-414	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-27	Band		0669-21424	44376-415	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-36	Band		0669-21432	44376-416	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Second Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-16	Band		0669-21414	44376-417	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-23	Band		0669-21418	44376-418	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-11	Band		0669-21409	44376-419	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-15	Band		0669-21412	44376-420	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-39	Band		0669-21434	44376-421	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-24	Band		0669-21420	44376-422	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-37	Band		0669-21433	44376-423	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-19	Band		0669-21416	44376-426	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-42	Band		0669-21436	44376-427	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-10	Band		0669-21407	44376-428	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-13	Band		0669-21411	44376-429	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-35	Band		0669-21431	44376-430	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-4	Band		0669-21404	44376-431	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-46	Band		0669-21448	44376-432	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-45	Band		0669-21449	44376-436	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-43	Band		0669-21437	44376-439	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-32	Band		0669-21426	44376-440	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-33	Band		0669-21429	44376-442	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-6	Band		0669-21405	44376-447	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	
320	19-Jan-08	PLNWR-2	Band		0669-21402	44376-448	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	19-Jan-08	+ Cloacal	

Age	Sex	Days	Body Temperature	Preservation	Funding Agency	Collection Agency	Submitting Agency	Submitter Name	Diagnostic Lab	Sample Strategy	Comments	Case	Acc	Primary Sample T	Primary Lab num	Summary MA	Summary H5	Summary H7N1	Summary HSN1	Summary Completion	Summary Reporting	Summary H7	Summary Isolate
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	385	Pooled	65650	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	387	Pooled	65672	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	388	Pooled	65686	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	389	Pooled	65691	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	390	Pooled	65668	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	391	Pooled	65645	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	392	Pooled	65643	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	393	Pooled	65673	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	394	Pooled	65673	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	395	Pooled	65667	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	396	Pooled	65656	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	397	Pooled	65690	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	398	Pooled	65647	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	399	Pooled	65680	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	400	Pooled	65649	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	401	Pooled	65689	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	402	Pooled	65670	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	403	Pooled	65651	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	404	Pooled	65662	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	406	Pooled	65663	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	407	Pooled	65682	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	408	Pooled	65676	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	410	Pooled	65654	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	411	Pooled	65659	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	412	Pooled	65660	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	413	Pooled	65664	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	414	Pooled	65683	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	415	Pooled	65669	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	416	Pooled	65678	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	417	Pooled	65658	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	418	Pooled	65665	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	419	Pooled	65653	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	420	Pooled	65657	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	421	Pooled	65681	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	422	Pooled	65666	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	423	Pooled	65679	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	426	Pooled	65661	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	427	Pooled	65684	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	428	Pooled	65652	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	429	Pooled	65655	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	430	Pooled	65677	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	431	Pooled	65646	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	435	Pooled	65688	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	436	Pooled	65687	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	439	Pooled	65668	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	440	Pooled	65674	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	442	Pooled	65675	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	447	Pooled	65648	Negative	Negative	05-Feb-08			
								Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	44376	448	Pooled	65644	Negative	Negative	05-Feb-08			

Batch #	Date Received	Group Identifier	Bird ID Type	HD ID/Band Number	Sample Number	Species	Species4	SpeciesOrder	SpeciesFamily	FinalSpecies	Sex	Age	Place Name	h Degrees WGSJ	Degrees WGSJ	State	County/Borough	Date Collected	Sample Type	Carcass Condition
321	30-Jan-08	PLNWR-55	Band	0669-21494	43376-386	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-56	Band	0669-21499	43376-405	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-57	Band	0669-21496	43376-409	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-58	Band	0669-21490	43376-424	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-59	Band	0669-21497	43376-425	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-60	Band	0669-21431	43376-432	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-61	Band	0669-21493	43376-433	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-62	Band	0669-21492	43376-434	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-63	Band	0669-21465	43376-438	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-65	Band	0669-21491	43376-443	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-67	Band	0669-21495	43376-444	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-68	Band	0669-21466	43376-445	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-69	Band	0669-21498	43376-446	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-70	Band	0669-21695	43376-477	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-71	Band	0669-21694	43376-478	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-72	Band	0669-21500	43376-481	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-73	Band	0669-21488	43376-482	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-74	Band	0669-21697	43376-483	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-75	Band	0669-21699	43376-484	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-76	Band	0669-21698	43376-485	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-78	Band	0649-06559	43376-487	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-79	Band	0669-21693	43376-488	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-80	Band	0669-21481	43376-489	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-80	Band	0669-21479	43376-490	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-81	Band	0669-21417	43376-491	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-82	Band	0669-21484	43376-492	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-83	Band	0669-21483	43376-493	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-84	Band	0669-21485	43376-494	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-85	Band	0669-21487	43376-495	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-86	Band	0669-21486	43376-496	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-88	Band	0669-21472	43376-498	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-90	Band	0669-21475	43376-499	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-91	Band	0669-21477	43376-500	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-92	Band	0669-21478	43376-501	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-93	Band	0669-21480	43376-502	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-94	Band	0669-21482	43376-503	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-95	Band	0669-21476	43376-504	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-96	Band	0669-21467	43376-505	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-97	Band	0669-21408	43376-506	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-98	Band	0669-21489	43376-507	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-99	Band	0669-21468	43376-508	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-100	Band	0669-21470	43376-509	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-101	Band	0669-21471	43376-510	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-102	Band	0669-21473	43376-511	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	
321	30-Jan-08	PLNWR-103	Band	0669-21474	43376-512	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	Year	NWR	35.71	-76.57	North Carolina	Washington	28-Jan-08	+ Cloacal	

Age (Days)	Hourly Temperature	Preservation	Funding Agency	Collection Agency	Submitting Agency	Submitter Name	Diagnostic Lab	Sample Strategy	Comments	Case	Acc	Primary Sample Type	Primary Lab num	Summary MA Cal	Summary H5 Cal	Summary H5N1 Cal	Primary Completion	Primary Reporting	Summary H7 Cal	Summary Isolate ID
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	386	Pooled	65692 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	405	Pooled	65693 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	409	Pooled	65694 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	424	Pooled	65695 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	425	Pooled	65696 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376	432	Pooled	65697 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	433	Pooled	65698 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	434	Pooled	65699 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	438	Pooled	65700 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	443	Pooled	65702 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	444	Pooled	65703 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	445	Pooled	65704 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	446	Pooled	65705 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	477	Pooled	65706 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	478	Pooled	65707 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	481	Pooled	65708 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	482	Pooled	65709 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	483	Pooled	65710 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	484	Pooled	65711 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	485	Pooled	65712 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376	487	Pooled	65714 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	488	Pooled	65715 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	489	Pooled	65716 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	490	Pooled	65717 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	from the 1/18/08	44376	491	Pooled	65718 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	492	Pooled	65719 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	493	Pooled	65720 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	494	Pooled	65721 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	495	Pooled	65722 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	496	Pooled	65723 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	498	Pooled	65725 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	499	Pooled	65726 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	500	Pooled	65727 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	501	Pooled	65728 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	502	Pooled	65729 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	503	Pooled	65730 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	504	Pooled	65731 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	505	Pooled	65732 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	from the 1/18/08	44376	506	Pooled	65733 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	507	Pooled	65734 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	508	Pooled	65735 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	509	Pooled	65736 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	510	Pooled	65737 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	511	Pooled	65738 Negative	Negative			05-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376	512	Pooled	65739 Negative	Negative			05-Feb-08 A			

Batch #	Date Received	Group Identifier	Bird ID Type	rd ID/Band Number	Sex/Sample Number	Species	Species4	SpeciesOrder	SpeciesFamily	FinalSpecies	Sex	Age	Place Name	lat Degrees WGS84	lon Degrees WGS84	State	County/Borough	Date Collected	Sample Type	Carcass Condition
324	08-Feb-08	PLNWR 104	Band	0669-21563	44376-449	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 105	Band	0669-21569	44376-450	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 106	Band	0669-21570	44376-451	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 107	Band	0669-21571	44376-452	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 108	Band	0669-21561	44376-457	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 109	Band	0669-21562	44376-458	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 110	Band	0669-21564	44376-459	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 111	Band	0669-21565	44376-460	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 112	Band	0669-21566	44376-461	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 113	Band	0669-21567	44376-462	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 114	Band	0669-21568	44376-463	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 115	Band	0559-97955	44376-464	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 116	Band	0669-21553	44376-465	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 117	Band	0559-98148	44376-466	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 118	Band	0559-98064	44376-467	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 119	Band	0669-21555	44376-468	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 120	Band	0669-21557	44376-469	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 121	Band	0669-21559	44376-470	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 122	Band	0669-21560	44376-471	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 123	Band	0649-06153	44376-472	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 124	Band	0669-21552	44376-473	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 125	Band	0669-21558	44376-474	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 126	Band	0559-98245	44376-475	Swan	TUSW	Anseriformes	Anatidae	Swan	Male	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 127	Band	0669-21554	44376-476	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 128	Band	0669-21556	44376-479	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	
324	08-Feb-08	PLNWR 129	Band	0669-21551	44376-480	Swan	TUSW	Anseriformes	Anatidae	Swan	Female	Second Year	NWR	35.71	-76.57	North Carolina	Washington	06-Feb-08	+ Cloacal	

Ass Age (Days, H)	Daily Temperature	Preservation	Funding Agency	Collection Agency	Submitting Agency N	Submitter Name	Diagnostic Lab	Sample Strategy	Comments	Case	Acc	Primary Sample T	Primary Lab num	Summary MA Cal	Summary H5 Cal	Summary H5N1 C	Primary Completion	Primary Reporting	Summary H7 Cal	Summary Isolate In
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		449 Pooled	65835 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		450 Pooled	65836 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		451 Pooled	65837 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		452 Pooled	65838 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		457 Pooled	65839 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		458 Pooled	65840 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		459 Pooled	65841 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		460 Pooled	65842 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		461 Pooled	65843 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		462 Pooled	65844 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		463 Pooled	65845 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376		464 Pooled	65846 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		465 Pooled	65847 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376		466 Pooled	65848 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376		467 Pooled	65849 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		468 Pooled	65850 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		469 Pooled	65851 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		470 Pooled	65852 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		471 Pooled	65853 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376		472 Pooled	65854 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		473 Pooled	65855 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		474 Pooled	65856 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44376		475 Pooled	65857 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		476 Pooled	65858 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		479 Pooled	65859 Negative		Negative		12-Feb-08 A			
			Fish and Wildlife	Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44376		480 Pooled	65860 Negative		Negative		12-Feb-08 A			

Case	Acc	Batch #	Date Received	Group Identifier	Bird ID Type	Id ID/Band Num	se/Sample Num	Species	Species4	SpeciesOrder	SpeciesFamily	FinalSpecies	Sex	Age	Place Name	Latitude	Longitude	State	County/Borough	Date Collected	Season	Sample Type	Funding Agency
44384	453	353	04-Jun-08	PLNWR 201	Band	1066-81270	44384-453	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	454	353	04-Jun-08	PLNWR 202	Band	1066-81287	44384-454	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	455	353	04-Jun-08	PLNWR 203	Band	1066-81288	44384-455	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	456	353	04-Jun-08	PLNWR 204	Band	1066-81289	44384-456	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	461	353	04-Jun-08	PLNWR 205	Band	1066-81291	44384-461	Duck	WODU	Anseriformes	Anatidae	Duck	Female	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	462	353	04-Jun-08	PLNWR 200	Band	1066-81272	44384-462	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	463	353	04-Jun-08	PLNWR 206	Band	1066-81274	44384-463	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	464	353	04-Jun-08	PLNWR 207	Band	1066-81273	44384-464	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	470	353	04-Jun-08	PLNWR 208	Band	1066-81420	44384-470	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife
44384	471	353	04-Jun-08	PLNWR 209	Band	1066-81271	44384-471	Duck	WODU	Anseriformes	Anatidae	Duck	Female	After Hatch Year NWR		35.901	-76.242	North Carolina	Tyrrell	03-Jun-08		+ Cloacal	Fish and Wildlife

Carcass Condition	Sex	Age (Days)	Daily Temperature	Preservation	Collection Agency	Submitting Agency	Submitter Name	Diagnostic Lab	Sample Strategy	Comments	Case #	Acc. #	Primary Lab num	Batch Number	Primary Sample T	Summary MA Call	Summary H5 Call	Summary H7 Call	Summary H5N1 Call	Primary Completion	Primary Reporting	Primary HPAI Status	Primary Isolate Info
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	453.77254	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	454.77255	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	455.77256	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	456.77257	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	461.77258	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	462.77259	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	463.77260	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	464.77261	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds	Recapture	44384	470.77262	353	Field Pooled	Negative			Negative		05-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	471.77263	353	Field Pooled	Negative			Negative		05-Jun-08 A			

Case	Acc	Batch #	Date Received	Group Identifier	Bird ID Type	Id ID/Band Number	Sex/Sample Num	Species	Species4	SpeciesOrder	SpeciesFamily	FinalSpecies	Sex	Age	Place Name	Latitude	Longitude	State	County/Borough	Date Collected	Season	Sample Type	Funding Agency
44384	503	357	12-Jun-08	PLNWR 201	Band	1066-81275	44384-503	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.714	-76.571	North Carolina	Tyrrell	11-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	478	357	12-Jun-08	PLNWR 202	Band	1066-81286	44384-478	Duck	WODU	Anseriformes	Anatidae	Duck	Female	After Hatch Year NWR		35.714	-76.571	North Carolina	Tyrrell	11-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	508	357	12-Jun-08	PLNWR 203	Band	1066-81292	44384-508	Duck	WODU	Anseriformes	Anatidae	Duck	Female	After Hatch Year NWR		35.714	-76.571	North Carolina	Tyrrell	11-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	511	357	12-Jun-08	PLNWR 204	Band	1066-81293	44384-511	Duck	WODU	Anseriformes	Anatidae	Duck	Female	After Hatch Year NWR		35.714	-76.571	North Carolina	Tyrrell	11-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	494	357	12-Jun-08	PLNWR 205	Band	1066-81294	44384-494	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.714	-76.571	North Carolina	Tyrrell	11-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	487	357	12-Jun-08	PLNWR 206	Band	1066-81300	44384-487	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year NWR		35.714	-76.571	North Carolina	Tyrrell	11-Jun-08 2008		+ Cloacal	Fish and Wildlife

Carcass Condition	Species	Age (Days)	Daily Temperature	Preservation	Collection Agency	Submitting Agency	Submitter Name	Diagnostic Lab	Sample Strategy	Comments	Case #	Acc. #	Primary Lab num	Batch Number	Primary Sample T	Summary MA Call	Summary H5 Call	Summary H7 Call	Summary H5N1 Call	Primary Completion	Primary Reporting	Primary HP AI Status	Primary Isolate Info
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	503/77407		357 Field Pooled	Negative			Negative		13-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	478/77408		357 Field Pooled	Negative			Negative		13-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	508/77409		357 Field Pooled	Negative			Negative		13-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	511/77410		357 Field Pooled	Negative			Negative		13-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	494/77411		357 Field Pooled	Negative			Negative		13-Jun-08 A			
					Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	487/77412		357 Field Pooled	Negative			Negative		13-Jun-08 A			

Case	Acc	Batch #	Date Received	Group Identifier	Bird ID Type	Id ID/Band Num	Se/Sample Num	Species	Species4	SpeciesOrder	SpeciesFamily	FinalSpecies	Sex	Age	Place Name	Latitude	Longitude	State	County/Borough	Date Collected	Season	Sample Type	Funding Agency
44384	480	361	19-Jun-08	PLNWR 207	Band	1066-81281	44384-480	Duck	WODU	Anseriformes	Anatidae	Duck	Female	After Hatch Year	NWR	35.714	-76.571	North Carolina	Washington	18-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	477	361	19-Jun-08	PLNWR 208	Band	1066-81282	44384-477	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year	NWR	35.714	-76.571	North Carolina	Washington	18-Jun-08 2008		+ Cloacal	Fish and Wildlife
44384	509	361	19-Jun-08	PLNWR 209	Band	1066-81283	44384-509	Duck	WODU	Anseriformes	Anatidae	Duck	Male	After Hatch Year	NWR	35.714	-76.571	North Carolina	Washington	18-Jun-08 2008		+ Cloacal	Fish and Wildlife

Carcass Condition	Age (Days)	Daily Temperature	Preservation	Collection Agency	Submitting Agency	Submitter Name	Diagnostic Lab	Sample Strategy	Comments	Case #	Acc. #	Primary Lab num	Batch Number	Primary Sample T	Summary MA Call	Summary H5 Call	Summary H7 Call	Summary H5N1 Call	Primary Completion	Primary Reporting	Primary HP AI Status	Primary Isolate Info
				Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	480 78388		361	Field Pooled	Negative			Negative	20-Jun-08 A			
				Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	477 78389		361	Field Pooled	Negative			Negative	20-Jun-08 A			
				Fish and Wildlife	Fish and Wildlife	Wendy Stanton	Health Center	Live Wild Birds		44384	509 78390		361	Field Pooled	Negative			Negative	20-Jun-08 A			

