



United States Department of the Interior

FISH AND WILDLIFE SERVICE
3817 LUKER ROAD
CORTLAND, NY 13045

September 20, 2000

Ms. Alison Hess, C.P.G.
Project Manager
Hudson River PCBs Site
U.S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, NY 10007-1866

Mr. John Haggard
General Electric Company
One Computer Drive South
Albany, NY 12205

Dear Ms. Hess and Mr. Haggard:

Enclosed are data from samples collected along the Hudson River between 1995 and 1998 by the U.S. Fish and Wildlife Service and New York State Department of Environmental Conservation. Most of the data pertain to collections of tree swallows, great blue herons, bald eagle plasma, and bald eagle prey items from 1997 - 1999. Additional data expected prior to the end of the calendar year will be sent to you at a later date. The PCDD/PCDF data from an earlier data set are also included. If there are any questions, please contact Anne Secord at (607) 753-9334.

Sincerely,

David A. Stilwell
Field Supervisor

Enclosures

cc: w/out att.
K. Jahn, USFWS, Cortland, NY
M. Barash, USDO, Newton Corner, MA

305682

May 2000 Update of Investigation of Chemical Contaminants- Hudson River

CERC#	Field ID	Species	Matrix		Location	Coordinates
NYE Bald Eagle Samples (19)						
19848	BE-A-BL904-98	Bald eagle	Blood	(serum)	Constitution Isld	41°24' N, 73°57' W
19849	BE-A-BL949-98	Bald eagle	Blood	(serum)	Constitution Isld	41°24' N, 73°57' W
19850	BE-IM-BL935-98	Bald eagle	Blood	(serum)	Castleton	42°25' N, 73°46' W
19851	BE-A-BL913-98	Bald eagle	Blood	(serum)	Castleton	42°25' N, 73°46' W
19852	BE-A-BL956-98	Bald eagle	Blood	(serum)	Lock 1	42°49' N, 73°39' W
19853	BE-IM-BL914-98	Bald eagle	Blood	(serum)	Castleton	42°25' N, 73°46' W
19854	BE-BL921-98	Bald eagle	Blood	(serum)	Castleton	42°25' N, 73°46' W
19855	BE-A-BL898-97	Bald eagle	Blood	(serum)	Constitution Isld	41°24' N, 73°57' W
19856	BE-A-BL968-99	Bald eagle	Blood	(serum)	Cruger's Isld	42°1' 55.31" N, 73°55' W
19857	BE-NE-BL950-98	Bald eagle	Blood	(serum)	Inbocht Bay	42°10' 5.26" N, 73°53' W
19858	BE-NE-BL911A-98	Bald eagle	Blood	(serum)	Gay's Point	42°20' 25.03" N, 73°36' W
19859	BE-NE-BL911B-98	Bald eagle	Blood	(serum)	Gay's Point	42°20' 25.03" N, 73°36' W
19860	BE-NE-BL911C-98	Bald eagle	Blood	(serum)	Gay's Point	42°20' 25.03" N, 73°36' W
20026	BE-IM-BL976-99	Bald eagle	cells and serum	(serum)	Castleton	42°25' N, 73°46' W
20027	BE-NE-BL972A-99	Bald eagle	Blood	(whole)	Inbocht Bay	42°10' 5.26" N, 73°53' W
20028	BE-NE-BL972B-99	Bald eagle	Blood	(whole)	Inbocht Bay	42°10' 5.26" N, 73°53' W
20029	BE-NE-BL971-99	Bald eagle	Blood	(whole)	Gay's Point	42°20' 25.03" N, 73°36' W
20030	BE-NE-BL974-99	Bald eagle	Blood	(whole)	Cruger's Isld	42°1' 55.31" N, 73°55' W
20031	BE-IM-BL981-99	Bald eagle	Blood	(whole)	Castleton	42°25' N, 73°46' W
NYE Bald Eagle Eggs (3)						
19861	BE-EG906-98	Bald eagle	Egg		Inbocht Bay	42°10' 5.26" N, 73°53' W
19862	BE-EG910-98	Bald eagle	Egg		Cruger's Isld	42°1' 55.31" N, 73°55' W
20032	BE-EG970-99	Bald eagle	Egg		Basher Kill	
NYE Bald Eagle Prey Items (13)						
19863	FI-BH912B-98	Bullhead Catfish	Carcass		Gay's Point	42°20' 25.03" N, 73°36' W
19864	FI-EL912A-98	Eel	Carcass		Gay's Point	42°20' 25.03" N, 73°36' W

19865 FI-EL965-99	Eel	Carcass	Cruger's Isld	42°1' 55.31"N,73°55' W
19866 BI-BWT908-97	Blue-winged Teal	Carcass	Inbocht Bay	42°10' 5.26" N,73°53' W
19867 FI-CA969-99	Common Carp	Carcass	HR between Lks 1 & 2	
19868 FI-GS966-99	Gizzard Shad	Carcass	Cruger's Isld	42°1' 55.31"N,73°55' W
19869 FI-GS915-99	Gizzard Shad	Carcass	Barren Isld	42°28' N,73°47'10"W
19870 FI-DR906A-98	Drum Family	Carcass	Inbocht Bay	42°10' 5.26" N,73°53' W
19871 FI-WS906B-98	White Sucker	Carcass	Inbocht Bay	42°10' 5.26" N,73°53' W
19872 FI-EL906C-98	Eel	Carcass	Inbocht Bay	42°10' 5.26" N,73°53' W
19873 FI-CF906D-98	Catfish	Carcass	Inbocht Bay	42°10' 5.26" N,73°53' W
19874 FI-CF909A-98	Catfish	Carcass	Gay's Point	42°20' 25.03" N,73°36' W
19875 FI-EL909B-98	Eel	Carcass	Gay's Point	42°20' 25.03" N,73°36' W

Great Blue Heron Brains (6)

18803 GBHC401B-98	Great Blue Heron	Nestling/Brain	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18814 GBHC602B-98	Great Blue Heron	Nestling/Brain	CAST	Castleton Isld	42°25' N,73°46' W
18815 GBHC603B-98	Great Blue Heron	Nestling/Brain	CAST	Castleton Isld	42°25' N,73°46' W
18816 GBHC604B-98	Great Blue Heron	Nestling/Brain	CAST	Castleton Isld	42°25' N,73°46' W
18817 GBHC605B-98	Great Blue Heron	Nestling/Brain	CAST	Castleton Isld	42°25' N,73°46' W
18818 GBHC606B-98	Great Blue Heron	Nestling/Brain	CAST	Castleton Isld	42°25' N,73°46' W

Tree Swallows (37)

18759 TSC216-98	Tree Swallows	Nestling	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18760 TSC217-98	Tree Swallows	Nestling	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18761 TSC222-98	Tree Swallows	Nestling	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18762 TSC224-98	Tree Swallows	Nestling	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18764 TSC304-98	Tree Swallows	Nestling	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18765 TSC305-98	Tree Swallows	Nestling	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18766 TSC306-98	Tree Swallows	Nestling	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18767 TSC310-98	Tree Swallows	Nestling	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18769 TSC402-98	Tree Swallows	Nestling	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18770 TSC403-98	Tree Swallows	Nestling	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18771 TSC412-98	Tree Swallows	Nestling	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18772 TSC413-98	Tree Swallows	Nestling	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18774 TSC601-98	Tree Swallows	Nestling	RVNA	Ravena STP	42°29'34.48"N,73°47'15.73"W

18775 TSC609-98	Tree Swallows	Nestling	RVNA	Ravena STP	42°29'34.48"N,73°47'15.73"W
18777 TSC702-98	Tree Swallows	Nestling	STJO	St. Joseph's Villa-Catskill	42°12' 57.67N,73°51'28.11"W
18778 TSC703-98	Tree Swallows	Nestling	STJO	St. Joseph's Villa-Catskill	42°12' 57.67N,73°51'28.11"W
18780 TSC804-98	Tree Swallows	Nestling	STAL	Mt. St. Alphonsus	41°50' 21.96"N,73°57' 31.94"W
18781 TSC811-98	Tree Swallows	Nestling	STAL	Mt. St. Alphonsus	41°50' 21.96"N,73°57' 31.94"W
18783 TSC907-98	Tree Swallows	Nestling	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18784 TSC909-98	Tree Swallows	Nestling	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18785 TSC910-98	Tree Swallows	Nestling	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18786 TSC913-98	Tree Swallows	Nestling	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18788 TSA227-98	Tree Swallows	Adult	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18789 TSA207-98	Tree Swallows	Adult	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18790 TSA210-98	Tree Swallows	Adult	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18791 TSA302-98	Tree Swallows	Adult	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18792 TSA303-98	Tree Swallows	Adult	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18793 TSA321-98	Tree Swallows	Adult	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18794 TSA412-98	Tree Swallows	Adult	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18795 TSA413-98	Tree Swallows	Adult	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18796 TSA428-98	Tree Swallows	Adult	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18798 TSCWI2-98	Tree Swallows	Nestling	WISC	Wisconsin	
18799 TSCWI3-98	Tree Swallows	Nestling	WISC	Wisconsin	

Tree Swallow, GBHeron Nestlings and fat (9)

18763 TSC227-98	Tree Swallows	Nestling	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18768 TSC324-98	Tree Swallows	Nestling	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18773 TSC415-98	Tree Swallows	Nestling	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18776 TSC614-98	Tree Swallows	Nestling	RVNA	Ravena STP	42°29'34.48"N,73°47'15.73"W
18779 TSC707-98	Tree Swallows	Nestling	STJO	St. Joseph's Villa-Catskill	42°12' 57.67N,73°51'28.11"W
18782 TSC812-98	Tree Swallows	Nestling	STAL	Mt. St. Alphonsus	41°50' 21.96"N,73°57' 31.94"W
18787 TSC914-98	Tree Swallows	Nestling	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18801 GBHC401F-98	Great Blue Heron	Nestling/Fat	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18804 GBHC605F-98	Great Blue Heron	Nestling/Fat	CAST	Castleton Isl	42°25' N,73°46' W

Great Blue Heron Fat (4)

18805 GBHC602F-98	Great Blue Heron	Nestling/Fat	CAST	Castleton Isld	42°25' N,73°46' W
18806 GBHC603F-98	Great Blue Heron	Nestling/Fat	CAST	Castleton Isld	42°25' N,73°46' W
18807 GBHC604F-98	Great Blue Heron	Nestling/Fat	CAST	Castleton Isld	42°25' N,73°46' W
18808 GBHC606F-98	Great Blue Heron	Nestling/Fat	CAST	Castleton Isld	42°25' N,73°46' W

Tree Swallow, GBH, HM, WD EGGS (16)

18747 TSE216-98	Tree Swallows	Egg	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18748 TSE217-98	Tree Swallows	Egg	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18749 TSE224-98	Tree Swallows	Egg	REMN	Remnant 4 Site	43°16' 14.71"N,73°36' 12.89"W
18750 TSE306-98	Tree Swallows	Egg	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18751 TSE310-98	Tree Swallows	Egg	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18752 TSE3B-98	Tree Swallows	Egg	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18753 TSE412-98	Tree Swallows	Egg	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18754 TSE415-98	Tree Swallows	Egg	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18755 TSE421-98	Tree Swallows	Egg	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18756 TSE913-98	Tree Swallows	Egg	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18757 TSE914-98	Tree Swallows	Egg	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18758 TSE907-98	Tree Swallows	Egg	CHEL	Chelsea DEP	41°33' 48.36"N,73°57'30.85"W
18797 TSCW11-98	Tree Swallows	Nestling	WISC	Wisconsin	
18800 GBHE401-98	Great Blue Heron	Egg	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18819 HME301-98	Hooded Merganser	Egg Comp	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18820 WDE401-98	Wood Duck	Egg Comp	GRIF	Griffin Isld	43°12' 54.45"N,73°35' 0.23"W

GBHeron Prey Items(28)

18802 GBHC401L-98	Great Blue Heron	Nestling/Liver	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18809 GBHC602L-98	Great Blue Heron	Nestling/Liver	CAST	Castleton Isld	42°25' N,73°46' W
18810 GBHC603L-98	Great Blue Heron	Nestling/Liver	CAST	Castleton Isld	42°25' N,73°46' W
18811 GBHC604L-98	Great Blue Heron	Nestling/Liver	CAST	Castleton Isld	42°25' N,73°46' W
18812 GBHC605L-98	Great Blue Heron	Nestling/Liver	CAST	Castleton Isld	42°25' N,73°46' W
18813 GBHC606L-98	Great Blue Heron	Nestling/Liver	CAST	Castleton Isld	42°25' N,73°46' W
18821 BBSH-98	Fish	Whole	SCHU	Schuylerville	43°61' N,73°34'30"W
18822 SHSH-98	Fish	Whole	SCHU	Schuylerville	43°61' N,73°34'30"W

18823 SHTC-98	Fish	Whole	COVE	Coveville	43°3' N,73°34'40"W
18824 SBTC-98	Fish	Whole	COVE	Coveville	43°3' N,73°34'40"W
18825 CCTC-98	Fish	Whole	COVE	Coveville	43°3' N,73°34'40"W
18826 SBSA-98	Fish	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18827 SHSA-98	Fish	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18828 BBSA-98	Fish	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18829 AESA-98	Fish	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18830 BBL3-98	Fish	Whole	LOCK3	Lock 3	42°54' N,73°40'50"W
18831 SHL3-98	Fish	Whole	LOCK3	Lock 3	42°54' N,73°40'50"W
18832 SBL3-98	Fish	Whole	LOCK3	Lock 3	42°54' N,73°40'50"W
18833 MV401-98	Meadow Vole	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18834 MV402-98	Meadow Vole	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18835 MV403-98	Meadow Vole	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18836 MV404-98	Meadow Vole	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18837 MV405-98	Meadow Vole	Whole	SARA	Saratoga NHP	43°00' 3.72"N,73°36' 27.44"W
18838 MV301-98	Meadow Vole	Whole	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18839 MV302-98	Meadow Vole	Whole	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18840 MV303-98	Meadow Vole	Whole	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18841 MV304-98	Meadow Vole	Whole	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W
18842 MV305-98	Meadow Vole	Whole	SA13	Special Area 13 Site	43°15' 11.67"N,73°35' 22.65"W