

QUARTERLY WILDLIFE MORTALITY REPORT

April 1992 to June 1992

LOCATION	STATE	DATES	SPECIES	MORTALITY	DIAGNOSIS	*REPORTED BY
<i>Atlantic Flyway</i>						
Alachua County	FL	03/22/92-03/22/92	Cattle Egret	20 (e)	Toxicosis: chlorpyrifos suspect	FL
Lake Talquin	FL	05/07/92-05/20/92	Mallard	5	Toxicosis: diazinon	SC
Gordon County	GA	02/15/92-02/15/92	Common Grackle Red-winged Blackbird	5 (e)	Toxicosis: Famphur	SC
Hall County	GA	05/20/92-05/20/92	Canada Goose	3	Toxicosis: diazinon	SC
Calhoun	GA	01/29/92-01/29/92	Common Grackle	9 (e)	Toxicosis suspect	SC
Riviera Beach	MD	05/04/92-05/15/92	Muscovy Duck Mallard	12 (e)	Duck plague	MD,NW
Ocean City	MD	05/13/92-06/06/92	Northern Gannet Sooty Shearwater	19	Aspergillosis/pneumonia/emaciation	NW
Stillpond	MD	05/28/92-06/10/92	Muscovy Duck	25	Duck plague	MD,NW
Baltimore area	MD	06/21/92-06/25/92	Muscovy Duck	2	Duck plague	MD,NW
Emmaus	PA	05/08/92-06/10/92	Muscovy Duck	60 (e)	Duck plague	PA,NW
Edgefield County	SC	04/09/92-04/09/92	Red-tailed Hawk Gray Fox Raccoon	6	Toxicosis suspect	SC
Newport News	VA	04/17/92-05/06/92	Muscovy Duck	13	Duck plague	NW
Caroline County	VA	04/24/92-04/24/92	Mourning Dove Common Grackle	6 (e)	Toxicosis suspect	SC
Grafton	VA	05/06/92-05/26/92	Mallard	15 (e)	Toxicosis: organophosphorus compd.	NW
Partlode	VA	05/08/92-05/08/92	American Robin	2 (e)	Toxicosis suspect	SC
Newport News	VA	06/21/92-07/08/92	Muscovy Duck	7	Duck plague	NW
Williamsburg	VA	06/21/92-06/21/92	Mallard hybrid	10	Toxicosis: organophosphorus compd.	NW
Gilman	WV	03/16/92-03/31/92	Blue Jay European Starling Mourning Dove English Sparrow Northern Cardinal	27 (e)	Toxicosis: Famphur	SC

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<u>Mississippi Flyway</u>						
Lake Guntersville	AL	03/01/92-03/01/92	Common Loon	10 (e)	Open	SC
NW Arkansas	AR	05/29/92-05/30/92	Purple Martin	150 (e)	Emaciation	NW
Chicago	IL	03/30/92-04/29/92	Lesser Scaup	38 (e)	Parasitism: <i>Sphaeridiotrema globulus</i>	NW
Crab Orchard NWR	IL	05/26/92-06/02/92	Mallard Domestic Duck	18	Toxicosis: organophosphorus cmpd.	NW
Wheeling	IL	06/24/92-06/26/92	Mallard	15	Botulism type C	NW
McCook	IL	05/27/92-05/27/92	Canada Goose	6	Toxicosis: oiling suspect	IL
Maysville	KY	06/10/92-07/01/92	Mallard Mallard hybrid	50	Toxicosis suspect (blue-green algae)	KY
Midland County	MI	01/24/92-02/07/92	House Sparrow	9	Salmonellosis	RL
Cheboygan & Otsego Counties	MI	07/01/91-08/01/91	Mourning Dove	22 (e)	Trichomoniasis	RL
Greensfield Village	MI	10/16/91-10/16/91	Canada Goose	10	Toxicosis: diazinon	RL
Ortonville	MN	05/01/92-05/15/92	Mallard	30 (e)	Botulism type C	NW
Lawrence County	MO	05/25/92-05/30/92	Purple Martin	150 (e)	Emaciation	NW
Barton County	MO	05/26/92-05/30/92	Purple Martin	100 (e)	Emaciation	NW
Milwaukee & Manitowoc Counties	WI	04/19/92-04/20/92	Common Flicker Sora Rail	135 (e)	Open	NW
Horicon	WI	06/23/92-06/23/92	Canada Goose	4	Avian pox	NW
<u>Central Flyway</u>						
Greeley	CO	04/05/92-04/24/92	Muscovy Duck	11 (e)	Duck plague	NW
Denver Zoo	CO	04/22/92-04/24/92	Red-breasted Merganser	3	Open	NW
Emporia	KS	05/27/92-06/01/92	Purple Martin	70 (e)	Emaciation	NW

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<u>Central Flyway cont.</u>						
Brown's Lake	MT	02/20/92-05/01/92	Lesser Scaup Green-winged Teal Unidentified Duck	166	Parasitism: <i>Sphaeridiotrema</i> sp.	MT
Davis Flats	ND	05/05/92-05/06/92	Lesser Scaup Ring-necked Duck	6	Botulism type C	NW
Cody Lake	NE	04/21/92-04/23/92	American White Pelican	4	Open	NW
Rush Lake	SD	04/26/92-04/27/92	American Coot	36	Trauma	NW
Danbury	TX	04/02/92-04/03/92	Red-winged Blackbird Brown-headed Cowbird	8	Toxicosis: organophosphorus compd.	NW
Barwise	TX	04/16/92-04/17/92	American Avocet Gadwall Blue-winged Teal Ring-necked Pheasant Upland Sandpiper	100 (e)	Trauma: hailstorm	NW
Texas Point NWR	TX	05/16/92-05/18/92	Dunlin Sanderling Ruddy Turnstone	20 (e)	Open	NW
Fort Worth	TX	05/25/92-06/04/92	Purple Martin	65 (e)	Emaciation	NW
Paris	TX	05/22/92-05/23/92	Purple Martin	95 (e)	Open	NW
<u>Pacific Flyway</u>						
Williams Air Force Base	AZ	06/07/92-06/19/92	Mallard Black-necked Stilt Mourning Dove Unidentified Sparrow	77 (e)	Botulism type C	AZ
Delta Beach	CA	12/06/91-12/27/91	Brown Pelican Double-crested Cormorant Surf Scoter Common Loon Unidentified Gull	25	Open	NW
Merced NWR	CA	01/06/92-03/16/92	Snow Goose Unidentified Duck	200 (e)	Avian cholera	NW

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<i>Pacific Flyway cont.</i>						
Tiajuana Slough NWR	CA	02/09/92-03/15/92	Eared Grebe Unidentified Gull	6 (e)	Open	NW
Pismo Beach	CA	04/05/92-05/07/92	Southern Sea Otter	2	Open	NW
Glen Ellen	CA	04/03/92-04/10/92	Muscovy Duck Pekin Duck Mallard Domestic Goose Mallard hybrid	17	Duck plague	CFG
Camp Pendleton	CA	06/07/92-07/15/92	Least California Tern	140 (e)	Open	NW
Morro Bay & Pismo Beach	CA	01/24/92-ongoing	Southern Sea Otter	3 (e)	Coccidioidomycosis	NW
Nampa	ID	06/03/92-06/03/92	Mallard hybrid	6	Toxicosis: organophosphorus compd.	NW
Melba	ID	06/22/92-06/22/92	Red-tailed Hawk	2	Electrocution	NW
Benton Lake NWR	MT	04/15/92-06/08/92	Snow Goose California Gull Unidentified Goose American Coot Ross' Goose	10	Avian cholera	NW
Trout Creek and Plains	MT	04/01/92-04/01/92	Evening Grosbeak House Finch Unidentified Finch	40 (e)	Salmonellosis	NW
Ryderwood	WA	04/28/92-05/15/92	Canada Goose	4 (e)	Pneumonia	NW
<i>Update</i>						
Marysville	WA	03/11/92-06/12/92	Northern Goshawk Mallard Ring-necked Duck Greater Scaup	100 (e)	Botulism type C	NW

(e) = estimated mortality

Laboratory of Wildlife Disease Research-Gainesville, Florida (FL); Southeastern Cooperative Wildlife Disease Study (SC); National Wildlife Health Research Center (NW); Maryland Department of Agriculture (MD); University of Pennsylvania-School of Veterinary Medicine (PA); Illinois Department of Conservation (IL); Kentucky State Diagnostic Laboratory (KY); Rose Lake Wildlife Disease Laboratory-Michigan (RL); Montana State University-Bozeman (MT); Arizona Veterinary Diagnostic Laboratory (AZ); California Department of Fish and Game (CFG).

Written and compiled by Gregory Kidd, NWHRC. For specific information on these mortalities, contact the following NWHRC Resource Health Team Members: Pacific Flyway - Lynn Hayes; Central Flyway - Linda Glaser; Mississippi Flyway - Ron Windingstad; Atlantic Flyway - Kathy Converse. (608) 271-4640, (608) 264 5411 National Wildlife Health Research Center, 6006 Schroeder Rd., Madison, WI 53711



Quarterly Wildlife Mortality Report. The following highlights mortality reported to the National Wildlife Health Research Center (NWHRC) from April to June 1992.

Eight duck plague outbreaks were confirmed this quarter in 5 states; all outbreaks involved muscovy and other captive reared ducks. Outbreaks occurred at a variety of locations that included a game farm that raises muscovy and mallard ducks for sale/release, a tidal creek, a suburban housing area lake, a hospital lake, a farm and a large municipal reservoir. At 6 sites, extensive site disinfection and removal of all waterfowl was completed; these sites will continue to be monitored for mortality through next spring at which time sentinel ducks will be placed on the areas to monitor for evidence of duck plague virus.

At least 30 lesser scaup succumbed from Sphaeridiotrema globulus infection in Lake Michigan near Chicago. No other waterfowl were known to be infected but there were only few diving ducks present in the area. Dabbling ducks and geese in the area most likely were not feeding on snails, the most common intermediate host for this trematode. Sphaeridiotrema was also diagnosed as the cause of death for waterfowl on Brown's Lake in Montana. The disease has previously occurred in both states.

Mortality occurred during late May in purple martins across Kansas, Texas, Missouri and Arkansas. The primary diagnostic finding was emaciation. It is believed the birds died of starvation and mild hypothermia caused by harsh spring weather conditions.

SCWDS reported three mortality events suspected to be a result of exposure to toxins. In Virginia, doves and grackles died following application of Furadan to a nearby agricultural field. Hawks, a gray fox and a raccoon are suspected to have died in South Carolina following ingestion of Temik. The Laboratory of Wildlife Disease Research in Gainesville, Florida, reported Dursban toxicosis in cattle egrets in Alachua County, Florida; ingesta contained crickets.

Approximately 135 common flickers and sora rails were found along the shoreline of Lake Michigan. Mortality is suspected to be storm related, although no other species were found.