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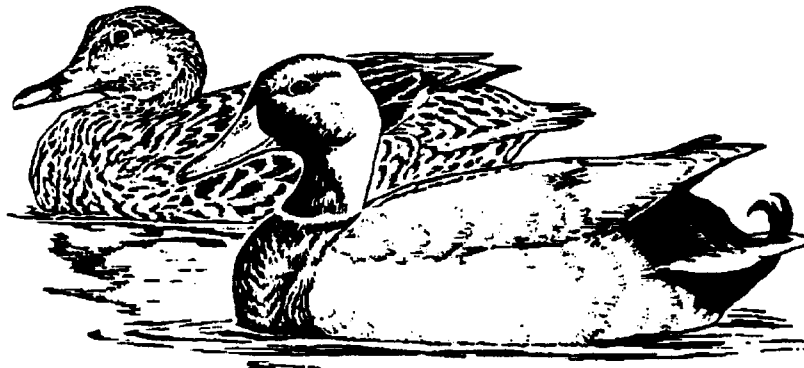
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ILLINOIS NATURAL HISTORY SURVEY

CENTER FOR WILDLIFE ECOLOGY



**1992-1993 Aerial Waterfowl Inventories of the Riverlands
Environmental Demonstration Area**

Annual Report

by

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Illinois Natural History Survey

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Waterfowl (ducks and geese), bald eagles, double-crested cormorants, and pelicans were aerially inventoried during fall and spring, 1992-1993 at Riverlands Environmental Demonstration Area. Inventories were conducted from light aircraft flying at low levels. Fall inventories were made on 3 and 10 September; 5, 13, 19, and 26 October; 4, 9, and 16 November; 1, 8, and 16 December; and 5 January. Spring inventories were made on 17 and 23 February; 1, 8, 15, and 29 March; and 6 and 21 April. Species of waterfowl and their respective numbers were recorded during each inventory.

The inventory data is summarized in tabular form displaying the peak (highest number counted for all inventories) population count by species during fall (Sept.-Jan.) and spring (Feb.-Apr.) (Table 2). Additionally, the results of each waterfowl inventory are provided by date (Tables 3 and 4).

Table 1. Common names of waterfowl aerially inventoried and abbreviations used in the report.

Common name		Abbreviation
Dabbling ducks		
Mallard	=	MALLARD
American black duck	=	BLK
Northern pintail	=	PNT
Blue-winged teal	=	BWT
Green-winged teal	=	GWT
American wigeon	=	WIG
Gadwall	=	GAD
Northern shoveler	=	SH
Diving ducks		
Lesser and greater scaup	=	SCAUP
Ring-necked duck	=	RN
Canvasback	=	CNVB
Redhead	=	RH
Ruddy duck	=	RDY
Common goldeneye	=	GLD
Bufflehead	=	BH
Mergansers		
Common merganser	=	CM
Red-breasted merganser	=	RBM
Hooded merganser	=	HM
Geese		
Canada goose	=	CG
Snow goose	=	B&SG
American coot	=	COOT
Bald Eagles		
Adult	=	AD
Immature	=	IMM
Double-crested cormorant	=	CORM
Pelican	=	PEL

Table 2. Peak numbers of waterfowl aerially inventoried by the Illinois Natural History Survey at Riverlands Environmental Demonstration Area, fall and spring, 1992-1993.

	Fall	Spring
Dabbling ducks		
Mallard	7,000	1,500
American black duck	50	0
Northern pintail	375	200
Blue-winged teal	25	0
Green-winged teal	125	0
American wigeon	200	0
Gadwall	200	0
Northern shoveler	15	0
All dabbling ducks	7,250	1,700
Diving ducks		
Lesser & greater scaup	300	400
Ring-necked duck	300	300
Canvasback	1,500	900
Redhead	0	0
Ruddy duck	0	0
Common goldeneye	200	800
Bufflehead	0	0
All diving ducks	1,540	1,550
Mergansers		
Common merganser	500	1,500
Red-breasted merganser	0	0
Hooded merganser	0	0
All mergansers	500	1,500
All ducks	7,650	3,250
Geese		
Canada goose	210	50
Snow goose	0	0
American coot	5,000	250
Bald Eagles		
Adult	30	10
Immature	14	4
All eagles	44	14
Double-crested cormorant	475	600
Pelican	30	0

Table 3. Waterfowl aerial inventory data for each individual flight for Riverlands Environmental Demonstration Area, fall 1992.

	MALLARD	BLK	PNT	BNT	GNT	MTG	GAD	SH	SCAUP	RN	CNVB	RH	RDY	GLD	BH	CM	RBN	HM	DABLERS	TOTAL	DIVERS	TOTAL	DUCKS	CG	B&SG	COOT	AD	TMH	TOT	CORN	PEL
09/03/92	50	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	60	0	0	0	0	0	0	0	200	0
09/10/92	100	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120	0	0	120	0	0	0	0	0	0	0	160	0
10/05/92	200	0	0	25	50	100	0	0	0	0	0	0	0	0	0	0	0	0	375	0	0	375	5	0	450	0	0	0	475	0	
10/13/92	1,800	50	375	0	125	200	100	0	150	75	0	0	0	0	0	0	0	0	2,650	225	0	2,875	90	0	3,500	0	0	0	250	0	
10/19/92	500	0	50	0	25	100	0	0	0	0	0	0	0	0	0	0	0	0	675	0	0	675	10	0	5,000	0	0	0	250	30	
10/26/92	750	0	0	0	0	50	100	0	50	0	0	0	0	0	0	0	0	0	900	50	0	950	0	0	2,500	0	0	0	300	0	
11/04/92	5,400	0	200	0	0	20	100	0	300	100	0	0	0	0	0	0	0	0	5,720	400	0	6,120	0	0	4,200	0	0	0	200	0	
11/09/92	7,000	0	50	0	0	0	200	0	300	100	0	0	0	0	0	0	0	0	7,250	400	0	7,650	210	0	900	0	0	0	300	0	
11/16/92	1,200	0	0	0	0	0	0	0	20	300	0	0	0	0	0	0	0	0	1,200	320	0	1,520	0	0	25	0	0	0	420	0	
12/01/92	550	25	0	0	0	0	0	15	0	300	0	0	0	20	0	25	0	0	590	320	25	935	20	0	400	0	1	1	0	0	
12/08/92	400	0	0	0	0	0	0	0	0	25	1,500	0	0	15	0	10	0	0	400	1,540	10	1,950	0	0	0	4	3	7	0	0	
12/16/92	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	0	0	300	10	0	0	3	6	9	10	0	
01/05/93	150	15	0	0	0	0	0	0	0	0	0	0	0	200	0	500	0	0	165	200	500	865	0	0	0	30	14	44	0	0	

Table 4. Waterfowl aerial inventory data for each individual flight for Riverlands Environmental Demonstration Area, spring 1993.

	MALLARD	BULK	PMT	BMT	GMT	NIG	GAD	SH	SCALP	RN	CNVB	RH	RDY	GLD	BH	CH	RBM	HM	DABBLERS	TOTAL DIVERS	TOTAL MERG.	DUCKS	TOTAL	CG	BASG	COOT	AD	TOT	CORM	PEL		
02/17/93	0	0	0	0	0	0	0	0	0	0	0	0	0	800	0	1,500	0	0	0	800	1,500	2,300	2,300	25	0	0	5	3	8	0	0	
02/23/93	0	0	0	0	0	0	0	0	0	50	500	0	0	50	0	200	0	0	0	600	200	800	800	0	0	0	10	4	14	0	0	
03/01/93	800	0	50	0	0	0	0	0	0	0	75	0	0	0	30	0	0	0	850	30	955	955	0	0	0	0	0	0	0	0	0	0
03/08/93	250	0	0	0	0	0	0	0	100	300	400	0	0	0	0	0	0	0	250	500	0	750	0	0	0	0	0	0	0	0	0	0
03/15/93	1,500	0	200	0	0	0	0	0	350	300	900	0	0	0	0	0	0	0	1,700	1,550	0	3,250	50	0	0	0	0	0	0	0	0	0
03/29/93	300	0	0	0	0	0	0	0	400	200	600	0	0	0	0	0	0	0	1,300	1,200	0	1,500	0	0	0	0	0	0	0	30	0	0
04/06/93	0	0	0	0	0	0	0	0	150	100	0	0	0	0	0	0	0	0	0	250	0	250	0	0	250	0	0	0	10	0	0	0
04/21/93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	0	0