

**APPENDIX VII**

**POPULATION DISTRIBUTION OF BREEDING  
AND WINTERING BALD EAGLES ON THE  
MISSOURI RIVER MAIN STEM**

APPENDIX VII

Population distribution of breeding and wintering bald eagles on the Missouri River main stem.<sup>2</sup>

Location of Population	Year <sup>b</sup>	Wintering Population	Nesting Population Pairs	Fledgings Per Pair
Missouri River Main Stem				
<b>Aspen Park Reservoir, MT</b>	2000			
	1999			
	1998			
	1997			
	1996			
	1995			
	1994			
	1993	110	12	1.75
	1992	75	12	0.92
	1991	90	7	1.14
	1990	125	8	1.13
	1989	135	4	1.75
	1988	84	2	2.00
	1987	35	0	0
	1986	79	0	1.00
<b>Fort Peck Reservoir, MT</b>	2000			
	1999			
	1998			
	1997			
	1996			
	1995			
	1994			
	1993	-		
	1992	-		
	1991	100		
	1990	100		
	1989	100		
	1988	8		
	1987			
	1986			

Appendix VII (continued)

Location of Population	Year <sup>2</sup>	Wintering Population	Nesting Population Pairs	Fledgings Per Pair
Fort Totten Dam to Lake Sakakawea, ND	2000			
	1999			
	1998			
	1997			
	1996			
	1995			
	1994			
	1993	38	0	0
	1992	47	0	0
	1991	45	0	0
	1990	41	0	0
	1989	36	0	0
	1988	10	0	0
1987	11	0	0	
1986	7	0	0	
Lake Sakakawea, ND	1993-2000	0	-	-
Garrison Dam to Lake Oahe, ND	2000	32	+	1
	1999	28	8	+
	1998	32	-	+
	1997	2	8	1.50
	1996	23	2	1.00
	1995	12	1	2.00
	1994	2	1	1.00
	1993	25	1	3.00
	1992	59	1	2.00
	1991	12	1	2.00
	1990	27	1	2.00
	1989	24	1	2.00
1988	57	1	1.00	
1987	43	0	0	
1986	30	0	0	

Appendix VII (continued)

Location of Population	Year <sup>2</sup>	Wintering Population	Nesting Population Pairs	Fledgings Per Pair
Lake Oahe, ND and SD	2000	1	-	-
	1999	0	0	0
	1998	4	0	0
	1997	1	0	0
	1996	8	0	0
	1995	1	0	0
	1994	1	0	0
	1993	-	0	0
	1992	-	0	0
	1991	19	0	0
	1990	17	0	0
	1989	9	0	0
	1988	10	0	0
	1987	6	0	0
	1986	5	0	0
Oahe Dam to Big Bend Dam, SD	2000	16	+	+
	1999	47	0	0
	1998	39	0	0
	1997	40	0	0
	1996	102	0	0
	1995	98	0	0
	1994	78	0	0
	1993	49	0	0
	1992	9*	0	0
	1991	50	0	0
	1990	143	0	0
	1989	104	0	0
	1988	60	0	0
	1987	88	0	0
	1986	54	0	0

Appendix VII (continued)

Location of Population	Year <sup>2</sup>	Wintering Population	Nesting Population Pairs	Fledgings Per Pair
Big Bend Dam to Fort Randall Dam Tailrace, SD	2000	21	-	-
	1999	11	0	0
	1998	116	0	0
	1997	8	0	0
	1996	3	0	0
	1995	0	0	0
	1994	2	0	0
	1993	-	0	0
	1992	1	0	0
	1991	0	0	0
	1990	2	0	0
	1989	54	0	0
	1988	42	0	0
	1987	59	0	0
	1986	7	0	0
	Karl Mundt NWR, SD**	2000	1	2
1999		200	2	3
1998		162	2	2.5
1997		153	2	3
1996		150	2	1
1995		169	1	1
1994		138	1	3
1993		58	1	2
1992		39	1	0
1991		49	0	0
1990		52	0	0
1989		54	0	0
1988		43	0	0
1987		81	0	0
1986		47	0	0

## Appendix VII (continued)

Location of Population	Year <sup>2</sup>	Wintering Population	Nesting Population Pairs	Fledgings Per Pair
Karl Mundt NWR to Rulo (inc. Desoto NWR): SD, NE, and IA**	2000	312	8	4
	1999	251	1	2
	1998	435	2	1
	1997	186	1	3
	1996	188	1	1
	1995	216	0	0
	1994	283	0	0
	1993	174	2	0
	1992	420	0	0
	1991	235	0	0
	1990	244	0	0
	1989	209	0	0
	1988	150	0	0
	1987	282	0	0
	1986	41*	0	0
Rulo to St. Louis: NE, KS, and MO	2000	298	+	+
	1999	427	1	2
	1998	289	2	1
	1997	475	2	3
	1996	398	2	1
	1995	294	1	1
	1994	409	1	1
	1993	323	1	2
	1992	136	1	0
	1991	181	1	0
	1990	399	1	0
	1989	1	0	0
	1988	130	0	0
	1987	199	0	0
	1986	-	-	-

Appendix VII (continued)

Location of Population	Year <sup>2/</sup>	Wintering Population	Nesting Population Pairs	Fledgings Per Pair
Kansas River	2000	119	?	+
	1999	388	1	2
	1998	244	1	0
	1997	159	1	1
	1996	187	?	?
	1995	86	?	?
	1994	65	?	?

- Not available at date of biological opinion.

- No surveys or not determined. Fort Peck reservoir is usually ice-covered.

\* Partial survey.

\*\* Winter survey numbers at National Wildlife Refuges represent the highest count for that winter.

<sup>1/</sup> Information sources include G. Badc, D. Christopherson, R. Collins, M. Dyer, D. Haley, J. Hanebury, D. Howell, W. Jobman, R. Kreil, J. Ledwin, M. LeValley, D. Mulhern, J. Peterson, B. Schoonover, T. Benzon, J. Sidle, and E. Stukel (personal communication); National Wildlife Federation (1988).

<sup>2/</sup> The year noted is the year when surveys were completed; i.e., the 1988-1989 winter survey results are recorded as 1989.