Table I. South Carolina mid-winter waterfowl survey estimated numbers of ducks, 2004 and 2005, compared with respective previous 5-year averages.

SPECIES	1999	2000	2001	2002	2003	1999-03 Average	2004	2003-04 Change	5-Year Change	2000-04 Average	2005	2004-05 Change	5-Year Change
Mallard	4,539	3,978	4,019	1,990	2,714	3,448	2,315	-14.7%	-32.9%	3,003	2,303	-0.5%	-23.3%
Black duck	724	1,070	807	961	953	903	642	-32.6%	-28.9%	887	804	25.2%	-9.3%
Gadwall	3,775	3,950	7,588	7,667	4,763	5,549	6,236	30.9%	12.4%	6,041	4,950	-20.6%	-18.1%
American wigeon	8,729	6,513	8,803	7,328	7,653	7,805	8,232	7.6%	5.5%	7,706	4,345	-47.2%	-43.6%
Green-winged teal	13,627	6,275	10,421	12,395	12,668	11,077	24,130	90.5%	117.8%	13,178	20,083	-16.8%	52.4%
Blue-winged teal	1,053	813	2,224	1,741	1,038	1,374	2,071	99.5%	50.7%	1,577	3,362	62.3%	113.1%
Northern shoveler	1,272	2,008	3,584	4,435	1,907	2,641	2,834	48.6%	7.3%	2,954	2,891	2.0%	-2.1%
Northern pintail	5,738	3,583	3,149	4,037	8,140	4,929	8,458	3.9%	71.6%	5,473	7,573	-10.5%	38.4%
Wood duck	5,642	784	2,304	1,267	956	2,191	10,012	947.3%	357.0%	3,065	2,565	-74.4%	-16.3%
TOTAL DABBLERS	**45,099**	**28,974**	**42,899**	**41,821**	**40,792**	**39,917**	**64,930**	**59.2%**	**62.7%**	**43,883**	**48,876**	**-24.7%**	**11.4%**
Redhead	12	0	27	23	0	12	36		190.3%	17	7	-80.6%	-59.3%
Canvasback	52	206	1,166	20	205	330	425	107.3%	28.9%	404	914	115.1%	126.0%
Scaup	1,111	4,780	11,948	2,307	9,011	5,831	5,708	-36.7%	-2.1%	6,751	1,520	-73.4%	-77.5%
Ring-necked duck	9,091	10,892	41,535	11,697	16,760	17,995	23700	41.4%	31.7%	20,917	19,296	-18.6%	-7.7%
Ruddy Duck	1,026	688	1,142	126	322	661	278	-13.7%	-57.9%	511	610	119.4%	19.3%
Bufflehead	446	287	521	358	345	391	334	-3.2%	-14.7%	369	583	74.6%	58.0%
TOTAL DIVERS	**11,738**	**16,853**	**56,339**	**14,531**	**26,643**	**25,221**	**30,481**	**14.4%**	**20.9%**	**28,969**	**22,930**	**-24.8%**	**-20.8%**
Sea ducks	36	0	6,635	0	0	1,334	1,247		-6.5%	1,576	1,440	15.5%	-8.7%
Mergansers	1,328	246	1,543	464	1,210	958	411	-66.0%	-57.1%	775	905	120.2%	16.8%
Unidentified	397	309	2,821	203	158	778	241	52.5%	-69.0%	746	270	12.0%	-63.8%
TOTAL DUCKS	**58,598**	**46,382**	**110,237**	**57,019**	**68,803**	**68,208**	**97,310**	**41.4%**	**42.7%**	**75,950**	**74,421**	**-23.5%**	**-2.0%**
Snow goose	407	411	433	670	506	485	634	25.3%	30.6%	531	648	2.2%	22.1%
Canada goose	1,195	1,241	1,201	1,499	2,012	1,430	1,524	-24.3%	6.6%	1,495	1,468	-3.7%	-1.8%
TOTAL GEESE	**1,602**	**1,652**	**1,634**	**2,169**	**2,518**	**1,915**	**2,158**	**-14.3%**	**12.7%**	**2,026**	**2,116**	**-1.9%**	**4.4%**
Tundra Swan	179	100	199	222	339	208	292	-13.9%	40.5%	230	125	-57.2%	-45.7%
American coot	27,572	21,596	25,666	15,427	5,775	19,207	8,294	43.6%	-56.8%	15,352	12,557	51.4%	-18.2%
TOTAL WATERFOWL	**87,951**	**69,730**	**137,736**	**74,837**	**77,435**	**89,538**	**108,054**	**39.5%**	**20.7%**	**93,558**	**89,219**	**-17.4%**	**-4.6%**

Table II. Atlantic Flyway mid-winter waterfowl survey estimated numbers of ducks, 2004 and 2005, compared with respective previous 10-year averages.

SPECIES	2003	1994-03 Average	2004	2003-04 Change	10-Year Change	1995-04 Average	2005	2004-05 Change	10-Year Change
Mallard	133,237	162,014	140,386	5.4%	-13.3%	162,729	131,802	-6.1%	-19.0%
Black duck	224,574	225,909	206,428	-8.1%	-8.6%	224,094	184,055	-10.8%	-17.9%
Mexican duck	0	2	0	N/A	-100.0%	2	0		-100.0%
Mottled duck	737	1,272	1,216	65.0%	-4.4%	1,320	15	-98.8%	-98.9%
Gadwall	23,409	22,091	25,040	7.0%	13.3%	22,254	16,909	-32.5%	-24.0%
American wigeon	34,833	44,649	48,345	38.8%	8.3%	46,000	17,800	-63.2%	-61.3%
Green-winged teal	57,202	75,858	77,770	36.0%	2.5%	77,915	63,501	-18.3%	-18.5%
Blue-winged teal	15,446	18,424	23,105	49.6%	25.4%	19,190	3,702	-84.0%	-80.7%
Northern shoveler	7,628	9,549	8,845	16.0%	-7.4%	9,671	4,599	-48.0%	-52.4%
Northern pintail	36,324	47,084	55,523	52.9%	17.9%	49,004	36,143	-34.9%	-26.2%
Wood duck	1,541	2,665	11,101	620.4%	316.5%	3,621	2,927	-73.6%	-19.2%
Whistling duck	55	800	672	1121.8%	-16.0%	862	0	-100.0%	-100.0%
TOTAL DABBLERS	**534,986**	**610,316**	**598,431**	**11.9%**	**-1.9%**	**616,661**	**461,453**	**-22.9%**	**-25.2%**
Redhead	12,365	104,594	105,455	752.9%	0.8%	113,903	45,630	-56.7%	-59.9%
Canvasback	70,650	89,031	50,342	-28.7%	-43.5%	87,000	58,980	17.2%	-32.2%
Scaup	336,916	524,697	399,163	18.5%	-23.9%	530,922	338,871	-15.1%	-36.2%
Ring-necked duck	63,673	91,264	86,214	35.4%	-5.5%	93,518	41,790	-51.5%	-55.3%
Goldeneye	21,268	26,017	18,990	-10.7%	-27.0%	25,789	21,441	12.9%	-16.9%
Bufflehead	74,009	68,281	53,394	-27.9%	-21.8%	66,220	71,007	33.0%	7.2%
Ruddy duck	79,871	85,360	94,885	18.8%	11.2%	86,861	57,038	-39.9%	-34.3%
TOTAL DIVERS	**658,752**	**989,242**	**808,443**	**22.7%**	**-18.3%**	**1,004,211**	**634,757**	**-21.5%**	**-36.8%**
Seaducks	98,343	155,413	93,945	-4.5%	-39.6%	154,973	175,344	86.6%	13.1%
Mergansers	67,523	86,354	58,293	-13.7%	-32.5%	85,431	54,799	-6.0%	-35.9%
Unidentified	328	2,839	699	113.1%	-75.4%	2,876	364	-47.9%	-87.3%
TOTAL DUCKS	**1,359,932**	**1,844,164**	**1,559,811**	**14.7%**	**-15.4%**	**1,864,152**	**1,326,717**	**-14.9%**	**-28.8%**
Brant	164,526	149,088	129,590	-21.2%	-13.1%	145,594	122,998	-5.1%	-15.5%
Snow goose	402,342	337,749	552,085	37.2%	63.5%	352,723	338,666	-38.7%	-4.0%
Canada goose	1,078,144	854,094	912,957	-15.3%	6.9%	837,575	873,270	-4.3%	4.3%
White front goose	0	2	3		50.0%	2	0	-100.0%	-100.0%
TOTAL GEESE	**1,645,012**	**1,340,932**	**1,594,635**	**-3.1%**	**18.9%**	**1,335,894**	**1,334,934**	**-16.3%**	**-0.1%**
Tundra swan	108,187	94,985	94,975	-12.2%	0.0%	93,664	68,735	-27.6%	-26.6%
Trumpeter swan	0	4	0		-100.0%	4	0	#DIV/0!	-100.0%
Mute swan	12,289	8,398	8,024	-34.7%	-4.5%	7,972	9,297	15.9%	16.6%
Unidentified swan	151	545	100	-33.8%	-81.7%	540	2	-98.0%	-99.6%
American coot	290,210	428,497	287,604	-0.9%	-32.9%	428,236	145,951	-49.3%	-65.9%
TOTAL WATERFOWL	**3,415,781**	**3,716,943**	**3,545,149**	**3.8%**	**-4.6%**	**3,729,880**	**2,885,636**	**-18.6%**	**-22.6%**

Table III. Waterfowl harvest on DNR Category I WMAs, 2003-04.

AREA	BEAVERDAM CREEK	BROAD RIVER	SANDY BEACH	SANTEE COASTAL RESERVE	SANTEE-DELTA	BEAR ISLAND	SPRINGFIELD/THE CUT	TOTAL ALL CATEGORY I AEAS	% COMPOSITION OF TOTAL HARVEST
SPECIES									
Mallard	13	38	34	12	118	21	7	243	10.47
Black duck		3	4	7	3	8	1	26	1.12
Mallard X Black				1		1		2	0.09
Mottled duck				44	2	40	17	103	4.44
Gadwall	1	7	6	124	2	3	7	150	6.47
American wigeon		12	4	120	2	8	1	147	6.34
Green-winged teal	6	14	31	184	154	18	30	437	18.84
Blue-winged teal	2		2	229	84	79	20	416	17.93
Northern shoveler		1		89	18	39	26	173	7.46
Northern pintail		1	4	23		6	1	35	1.51
Wood duck	9	27	42	2	84	3	3	170	7.33
Redhead		1						1	0.04
Canvasback								0	0.00
Scaup				49		3	1	53	2.28
Ring-necked duck	66	27	8	100	2		7	210	9.05
Goldeneye								0	0.00
Bufflehead				7		19		26	1.12
Ruddy duck						1		1	0.04
Canada goose								0	0.00
Snow goose				1				1	0.04
Mergansers	2	1	5	16		76	26	126	5.43
TOTAL HARVEST	99	132	140	1008	469	325	147	2320	
# HUNTERS	40	45	51	212	141	198	68	755	
DUCKS/HUNTER	2.48	2.93	2.75	4.75	3.33	1.64	2.16	3.07	
SHOTS FIRED	481	616	640	4288	1904	1934	690	10553	
CRIPPLES LOST	0	26	17	176	77	74	23	393	
% LOSS	0.00	16.46	10.83	14.86	14.10	18.55	13.53	14.49	

Table IV. Waterfowl harvest on DNR Category I WMAs, 2004-05.

AREA	BEAVERDAM CREEK	BROAD RIVER	SAMWORTH	SANDY BEACH	SANTEE COASTAL RESERVE	SANTEE-DELTA	BEAR ISLAND	SPRINGFIELD/THE CUT	TOTAL ALL CATEGORY I AREAS	% COMPOSITION OF TOTAL HARVEST
SPECIES										
Mallard	7	9	5	42	7	67	2	9	148	0.71
Dom/Rel Mallard				5	3	2	4	2	16	2.00
Black duck		4		2	8	2	4		20	0.88
Mallard X Black		1			5	1	1		8	0.35
Mottled duck					28	0	42	17	87	3.84
Gadwall	3	4		5	185	1	9	32	239	10.55
American wigeon		3		2	57	3	15	9	89	3.93
Green-winged teal	2	10	42	24	160	134	55	64	491	21.67
Blue-winged teal					194	65	76	37	372	16.42
Northern shoveler				2	143	42	14	21	222	9.80
Northern pintail				2	52	21	2	23	100	4.41
Wood duck	22	10	24	33	1	32	1	18	141	6.22
Redhead					2	0	0	1	3	0.13
Canvasback					0	0	0	1	1	0.04
Scaup				1	33	0	3		37	1.63
Ring-necked duck		12		4	66	4	2	12	100	4.41
Goldeneye					0	0	0		0	0.00
Bufflehead					14	0	17	1	32	1.41
Ruddy duck					15	0	0	1	16	0.71
Canada goose		2			0	0	0		2	0.09
Snow goose					0	0	0		0	0.00
Mergansers	4		2		21	19	69	27	142	6.27
TOTAL HARVEST	38	55	73	122	994	393	316	275	2266	
# HUNTERS	34	24	24	41	257	173	171	78	802	
DUCKS/HUNTER	1.12	2.29	3.04	2.98	3.87	2.27	1.85	3.53	2.83	
SHOTS FIRED	210	340	357	525	4663	1979	1739	1455	11268	
CRIPPLES LOST	5	11	9	11	213	80	89	52	470	
% LOSS	11.63	16.67	10.98	8.27	17.65	16.91	21.98	15.90	17.18	

Table V. Summary of minimum estimated waterfowl hunting opportunity in public waters adjacent to Samworth WMA, 1983-84 through 2003-04.

Year	Minimum # Hunters	Avaiable # Days	Minimum Average # Guns/Day
1983-84	1,288	41	31.4
1943-85	1,099	41	26.8
1985-86	1,005	43	23.4
1986-87	876	37	23.7
1987-88	833	36	23.1
1988-89	1,161	28	41.5
1989-90	1,332	28	47.6
1990-91	1,115	28	39.8
1991-92	1,312	28	46.9
1992-93	1,399	26	53.8
1993-94	1,729	27	64.0
1994-95	1,430	36	39.7
1995-96	1,098	45	24.4
1996-97	1,097	44	24.9
1997-98	1,259	49	25.7
1998-99	2,173	60	36.2
1999-00	1,410	60	23.5
2000-01	1,498	60	25.0
2001-02	1,260	60	21.0
2002-03	1,025	50	20.5
2003-04	1,664	50	33.3
21-year Average	**1,289**	**42**	**33.2**

Table VI. Waterfowl harvest on DNR Category I, II and Adult Youth Areas, 2003-04 and 2004-05.

TYPE AREA	CATEGORY I AREAS		CATEGORY II AREAS		ADULT YOUTH AREAS		ALL AREAS		% CHANGE FROM 2003-04 TO 2004-05	% OF AGGREGATE BAG
					CLEMSON	DONNELLEY				
YEAR	**03-04**	**04-05**	**03-04**	**04-05**	**04-05**		**03-04**	**04-05**		
SPECIES										
Mallard	243	148	11	31	1		254	180	-29.1	8.31
Dom/Rel Mallard		16				11	0	27	270.0	0.52
Black duck	26	20		4			26	24	-7.7	0.96
Mallard X Black	2	8		1			2	9	350.0	0.21
Mottled duck	103	87				1	103	88	-14.6	3.66
Gadwall	150	239	4			1	154	240	55.8	7.54
American wigeon	147	89		2			147	91	-38.1	4.56
Green-winged teal	437	491	1	9		39	438	539	23.1	18.71
Blue-winged teal	416	372				25	416	397	-4.6	15.57
Northern shoveler	173	222		1		1	173	224	29.5	7.60
Northern pintail	35	100		1			35	101	188.6	2.60
Wood duck	170	141	133	184	1	53	303	379	25.1	13.06
Redhead	1	3					1	3	200.0	0.08
Canvasback		1					0	1	100.0	0.02
Scaup	53	37	1				54	37	-31.5	1.74
Ring-necked duck	210	100		2		6	210	108	-48.6	6.09
Goldeneye							0	0	0.0	0.00
Bufflehead	26	32		13			26	45	73.1	1.36
Ruddy duck	1	16					1	16	1500.0	0.33
Canada goose		2		6			0	8	800.0	0.15
Snow goose	1						1	0	-100.0	0.02
Mergansers	126	142	3	7		17	129	166	28.7	5.65
Unknown duck			45	22			45	22	-51.1	1.28
TOTAL HARVEST	2320	2266	198	283	2	154	2518	2705	7.4	
# HUNTERS	755	802	366	404	12	53	1121	1271	13.4	
DUCKS/HUNTER	3.07	2.83	0.54	0.70	0.17	2.91	2.25	2.13	-5.3	
SHOTS FIRED	10553	11268	1705	2320	43	764	12258	14395	17.4	
CRIPPLES LOST	393	470	49	67	7	39	442	583	31.9	
% LOSS	14.49	17.18	19.84	19.14	77.78	20.21	14.93	17.73	18.7	

Table VII. Waterfowl harvest on DNR Category II WMAs, 2003-04 and 2004-05.

AREA	CRACKERNECK		HATCHERY		LAKE CUNNINGHAM		TOTAL CATEGORY II AEAS		% COMPOSITION OF TOTAL HARVEST	
YEAR	**03-04**	**04-05**	**03-04**	**04-05**	**03-04**	**04-05**	**03-04**	**04-05**	**03-04**	**04-05**
SPECIES										
Mallard					11	31	11	31	5.56	10.95
Black duck						4	0	4	0.00	1.41
Mallard X Black						1	0	1	0.00	0.35
Mottled duck							0	0	0.00	0.00
Gadwall					4		4	0	2.02	0.00
American wigeon						2	0	2	0.00	0.71
Green-winged teal		2			1	7	1	9	0.51	3.18
Blue-winged teal							0	0	0.00	0.00
Northern shoveler						1	0	1	0.00	0.35
Northern pintail						1	0	1	0.00	0.35
Wood duck	121	134			12	50	133	184	67.17	65.02
Redhead							0	0	0.00	0.00
Canvasback							0	0	0.00	0.00
Scaup	1						1	0	0.51	0.00
Ring-necked duck						2	0	2	0.00	0.71
Goldeneye							0	0	0.00	0.00
Bufflehead						13	0	13	0.00	4.59
Ruddy duck							0	0	0.00	0.00
Canada goose						6	0	6	0.00	2.12
Snow goose							0	0	0.00	0.00
Mergansers	2	3			1	4	3	7	1.52	2.47
Unknown duck			45	22			45	22	22.73	7.77
TOTAL HARVEST	124	139	45	22	29	122	198	283		
# HUNTERS	158	215	89	55	119	134	366	404		
DUCKS/HUNTER	0.78	0.65	0.51	0.40	0.24	0.91	0.54	0.70		
SHOTS FIRED	1109	1458	350	89	246	773	1705	2320		
CRIPPLES LOST	34	41	9	3	6	23	49	67		
% LOSS	21.52	22.78	16.67	12.00	17.14	15.86	19.84	19.14		

Table VIII. Youth hunt waterfowl harvest on DNR Category I WMAs, 2004.

YOUTH HUNT AREAS	BEAR ISLAND	BEAVERDAM CREEK	SAMWORTH	SANDY BEACH	SANTEE-DELTA	SANTEE COASTAL RESERVE	DONNELLEY	GRAND TOTAL
SPECIES								
Mallard	1		1	1	9		1	13
Dom/Rel Mallard								0
Black duck								0
Mallard x Black								0
Mottled duck	1					1		2
Gadwall	2					6		8
American wigeon	2					6	1	9
Green-winged teal	11	1	1	6	6	7	3	35
Blue-winged teal	2		1		14	7		24
Northern shoveler	9					1		10
Northern pintail	2				3	2		7
Wood duck			1		1		4	6
Redhead								0
Canvasback								0
Scaup								0
Ring-necked duck	1					2	5	8
Golden-eye								0
Bufflehead								0
Ruddy duck								0
Tree ducks								0
Sea ducks								0
Canada goose								0
Snow goose								0
Unknown ducks								0
Mergansers	4		5		6	2	2	19
TOTAL HARVEST	35	1	9	7	39	34	16	141
# HUNTERS	13	1	11	4	12	11	9	61
DUCKS/HUNTER	2.69	1.00	0.82	1.75	3.25	3.09	1.78	2.31
SHOTS FIRED	277	5	104	30	196	250	167	1029
CRIPPLES LOST	10	2	4	1	6	10	4	37
% LOSS	22.22	66.67	30.77	12.50	13.33	22.73	20.00	20.79

Table IX. Youth hunt waterfowl harvest on DNR Category I WMAs, 2005.

YOUTH HUNT AREAS	BEAR ISLAND	BEAVERDAM CREEK	SAMWORTH	SANDY BEACH	SANTEE-DELTA	SANTEE COASTAL RESERVE	CLEMSON	DONNELLEY	GRAND TOTAL
SPECIES									
Mallard		2	2		7				11
Dom/Rel Mallard								8	8
Black duck					1				1
Mallard x Black									0
Mottled duck	1								1
Gadwall	5								5
American wigeon	1								1
Green-winged teal	12		3		3	6			24
Blue-winged teal	4				2	7		4	17
Northern shoveler	7				10	3			20
Northern pintail	2				2	4		1	9
Wood duck	2		4				1	5	12
Redhead									0
Canvasback									0
Scaup						1			1
Ring-necked duck	1		1			2			4
Golden-eye									0
Bufflehead									0
Ruddy duck									0
Tree ducks									0
Sea ducks									0
Canada goose									0
Snow goose									0
Unknown ducks									0
Mergansers	1		1			3		4	9
TOTAL HARVEST	36	2	11	0	25	26	1	22	123
# HUNTERS	14	2	8	2	15	9	2	6	58
DUCKS/HUNTER	2.57	1.00	1.38	0.00	1.67	2.89	0.50	3.67	2.12
SHOTS FIRED	260	33	113	24	134	195	18	97	874
CRIPPLES LOST	7	2	9	1	9	8	1	3	40
% LOSS	16.28	50.00	45.00	100.00	26.47	23.53	50.00	12.00	24.54

Table X. Post season waterfowl banding effort by project, 2004 and 2005.

PROJECT	REGION 2	REGION 3		REGION 4		DONNELLEY WMA		SANTEE-DELTA WMA		SANTEE COASTAL RESERVE		YAWKEY WILDLIFE CENTER	TOTALS	
YEAR	**2005**	**2004**	**2005**	**2004**	**2005**	**2004**	**2005**	**2004**	**2005**	**2004**	**2005**	**2005**	**2004**	**2005**
SPECIES														
Mallard		8	3	48				5	3				61	6
Black duck		1	2	4				1				5	6	7
Mottled duck													0	0
Gadwall		6											6	0
Wigeon		27	2	20									47	2
Green-winged teal		166	17	58		56	284	13	21	249	26	2	542	350
Blue-winged teal				4		2	1	238	29	431	53	4	675	87
Northern shoveler		9		2									11	0
Northern pintail				10		2			2	1			13	2
Wood duck	76	313	276	345	178	67	29	13	18				738	577
Lesser scaup		1								443			444	0
Ring-necked duck		9	65	137	17					19	2		165	84
Hooded merganser										1			1	0
TOTALS	76	540	365	628	195	127	314	270	73	1,144	81	11	2,709	1,115

Table XI. Distribution of wood duck boxes by site, 2005.

Clemson	39	8	8
Greenwood	49	6	5
Styx	137	22	17
Union	47	9	7
Dennis Center	50	6	3
Webb Center	25	3	2
Samworth	441	47	34
Florence	113	16	13
Donnelley	85	14	9

Table XII. Summary of wood duck nest box unit distribution, 1982-2005.

Year	Annual Distribution		Cummulative Distribution	
	# Cooperators	# Units	# Cooperators	# Units
1982	232	1,775	232	1,775
1983	264	1,924	496	3,699
1984	191	1,777	687	5,476
1985	189	1,187	876	6,663
1986	119	910	995	7,573
1987	113	1,059	1,108	8,632
1988	158	1,221	1,266	9,853
1989	135	1,098	1,401	10,951
1990	204	1,811	1,605	12,762
1991	164	1,119	1,769	13,881
1992	218	1,509	1,987	15,390
1993	240	1,533	2,227	16,923
1994	203	1,488	2,430	18,411
1995	200	1,389	2,630	19,800
1996	194	1,339	2,824	21,139
1997	161	1,291	2,985	22,430
1998	179	1,335	3,164	23,765
1999	215	1,414	3,379	25,179
2000	208	1,313	3,587	26,492
2001	212	1,432	3,799	27,924
2002	129	1,122	3,928	29,046
2005	131	986	4,059	30,032

Table XIII. Wood duck production by county in SC, 2004.

COUNTY	# COOPS	# BOXES	# USED	% USED	# NESTS	% SUCCESS	# HATCHED	# LAID
Abbeville	4	17	12	70.6%	12	100.0%	137	158
Aiken	13	199	159	79.9%	147	92.5%	1,323	1,785
Allendale	6	76	47	61.8%	37	78.7%	123	153
Anderson	13	55	26	47.3%	25	96.2%	162	218
Bamberg	6	64	39	60.9%	30	76.9%	163	262
Barnwell	6	48	22	45.8%	16	72.7%	185	293
Beaufort	9	326	206	63.2%	161	78.2%	1,342	2,656
Berkeley	18	233	148	63.5%	117	79.1%	703	1,199
Calhoun	16	114	85	74.6%	71	83.5%	504	920
Charleston	14	69	36	52.2%	27	75.0%	159	211
Cherokee	2	17	25	147.1%	24	96.0%	135	57
Chester	2	10	4	40.0%	4	100.0%	36	42
Chesterfield	15	152	105	69.1%	91	86.7%	683	1,372
Clarendon	8	50	33	66.0%	28	84.8%	238	408
Colleton	17	104	54	51.9%	48	88.9%	400	501
Darlington	6	39	18	46.2%	16	88.9%	145	172
Dillon	0	0	0	0.0%	0	0.0%	0	0
Dorchester	11	118	89	75.4%	78	87.6%	689	793
Edgefield	18	78	52	66.7%	52	100.0%	530	575
Fairfield	7	46	38	82.6%	33	86.8%	132	238
Florence	17	125	77	61.6%	61	79.2%	541	862
Georgetown	10	186	64	34.4%	62	96.9%	343	485
Greenville	19	72	41	56.9%	34	82.9%	263	379
Greenwood	13	88	55	62.5%	50	90.9%	392	555
Hampton	7	39	27	69.2%	24	88.9%	140	174
Horry	9	71	52	73.2%	48	92.3%	389	495
Jasper	2	26	9	34.6%	9	100.0%	40	50
Kershaw	14	93	71	76.3%	66	93.0%	587	922
Lancaster	6	26	18	69.2%	15	83.3%	256	378
Laurens	5	36	27	75.0%	22	81.5%	154	195
Lee	4	63	45	71.4%	42	93.3%	484	568
Lexington	41	176	124	70.5%	109	87.9%	927	1,563
McCormick	4	7	2	28.6%	0	0.0%	0	0
Marion	5	57	40	70.2%	36	90.0%	295	324
Marlboro	1	19	6	31.6%	6	100.0%	72	72
Newberry	16	66	54	81.8%	47	87.0%	522	681
Oconee	8	26	9	34.6%	5	55.6%	46	84
Orangeburg	16	135	132	97.8%	90	68.2%	633	1,015
Pickens	6	20	9	45.0%	8	88.9%	78	109
Richland	27	154	106	68.8%	96	90.6%	572	1,007
Saluda	9	35	24	68.6%	23	95.8%	176	268
Spartanburg	22	98	78	79.6%	66	84.6%	519	786
Sumter	13	130	82	63.1%	70	85.4%	720	1,233
Union	4	28	26	92.9%	26	100.0%	145	217
Williamsburg	12	75	44	58.7%	39	88.6%	303	401
York	12	152	99	65.1%	69	69.7%	603	935
TOTAL	493	3,818	2,519	66.0%	2,140	85.0%	16,989	25,771

Table XIV. Project wood duck production in SC, 1982-2004.

YEAR	# COOPERATORS	# BOXES REPORTED	# BOXES USED	% BOXES USED	# NESTS	% NEST SUCCESS	# EGGS HATCHED	# EGGS LAID
1982	226	1,256	200	15.9%	169	84.5%	1,332	2,130
1983	441	2,726	754	27.7%	660	87.5%	6,404	9,474
1984	540	3,849	1,472	38.2%	1,224	83.2%	11,679	18,147
1985	617	4,131	1,653	40.0%	1,415	85.6%	14,788	21,425
1986	571	3,733	1,749	46.9%	1,523	87.1%	16,076	23,668
1987	551	3,756	2,238	59.6%	1,846	82.5%	21,400	33,737
1988	465	3,243	2,192	67.6%	1,898	86.6%	22,458	31,482
1989	450	2,828	1,917	67.8%	1,739	90.7%	19,095	26,554
1990	421	1,403	1,091	77.8%	942	86.3%	11,759	17,260
1991	621	3,413	1,921	56.3%	1,660	86.4%	18,987	25,633
1992	456	2,066	1,535	74.3%	1,329	86.6%	15,967	20,215
1993	497	2,075	1,485	71.6%	1,325	89.2%	16,831	23,489
1994	296	1,977	1,446	73.1%	1,226	84.8%	14,669	21,165
1995	1,057	6,868	4,432	64.5%	3,810	86.0%	38,363	58,126
1996	829	5,437	3,795	69.8%	3,214	84.7%	32,188	49,141
1997	1,035	7,026	4,747	67.6%	4,071	85.8%	39,647	58,625
1998	934	7,095	4,972	70.1%	4,241	85.3%	43,195	64,292
1999	947	6,765	4,772	70.5%	4,148	86.9%	36,427	55,537
2000	859	5,027	3,546	70.5%	3,072	86.6%	27,874	41,181
2001	894	5,485	3,752	68.4%	3,308	88.2%	25,965	39,117
2002	806	4,963	2,931	59.1%	2,437	83.1%	20,967	31,610
2003	601	4,543	2,934	64.6%	2,436	83.0%	18,600	28,691
2004	493	3,818	2,519	66.0%	2,140	85.0%	16,989	25,771
TOTAL	**14,607**	**93,483**	**58,053**	**62.1%**	**49,833**	**85.8%**	**491,660**	**726,470**

Table XV. Duck stamp sales and SC stamp revenue, 1981-82 through 2004-05.

	South Carolina			Federal
Year	**Stamps Sold***	**Revenue****	**Total Revenue**	**Stamps Sold*****
1981-82	20,811	$104,055	$187,716	19,525
1982-83	21,437	$107,185	$153,088	20,348
1983-84	20,945	$104,725	$149,671	20,101
1984-85	21,082	$105,410	$144,669	20,762
1985-86	18,979	$94,895	$140,265	18,650
1986-87	19,780	$98,900	$163,948	19,598
1987-88	20,558	$102,790	$192,660	19,303
1988-89	17,593	$87,965	$213,469	16,148
1989-90	16,524	$82,620	$165,219	15,482
1990-91	17,049	$85,245	$269,635	15,832
1991-92	16,795	$83,975	$161,751	15,139
1992-93	16,962	$84,810	$150,705	16,182
1993-94	16,986	$84,930	$143,488	20,185
1994-95	18,589	$92,945	$146,433	17,659
1995-96	21,312	$106,560	$156,654	19,715
1996-97	22,448	$112,240	$155,074	22,192
1997-98	22,666	$113,330	$150,120	25,643
1998-99	23,206	$116,030	$152,143	23,904
1999-00	23,707	$118,535	$146,308	24,351
2000-01	25,441	$127,205	$156,432	25,056
2001-02	24,781	$123,905	$145,569	23,370
2002-03	26,047	$130,235	$154,182	23,326
2003-04	28,266	$141,330	$158,583	unavailable
2004-05	27,769	$138,845	unavailable	unavailable
Averages	21,239	$106,194	163,382	20,112
Totals	509,733	$2,548,665	$3,757,782	442,471
* 2004-05 state stamps subject to correction				
** Revenue from hunters only				
*** Total stamps sold in SC				

Table XVI. SC duck stamp budget allocations, 2003-04 and 2004-05.

Category	2003-04 Budgeted Amount	Budget Description	2004-05 Budgeted Amount	Budget Description
Advertising & Promotion	$2,000	Promotion of sale of duck stamps	$1,000	Promotion of sale of duck stamps
Waterfowl Restoration & Research	$10,000	Northern pintail/mallard satellite-telemetry project	$22,500	$10K satellite-telemetry; $10K for banding; $2.25K administrate WD Project
Vegetation Control	$30,000	Chemical control of undesirable vegetation on WMAs	$60,000	Chemical control of undesirable vegetation on WMAs
Mountains & Piedmont			$9,000	Habitat improvements on Category I and II WMAs in the Piedmont
Donnelley			$5,000	Operation and maintenance of Donnelley WMA
Hickory Top	$50,000	Further development of Hickory Top WMA in Clarendon County	$50,000	Further development of Hickory Top WMA in Clarendon County
Santee-Delta			$9,750	Gyro-track cutting of willow trees to create 10 one-acre openings
Santee Coastal Reserve	$58,000	Operation and maintenance of Santee Coastal Reserve	$22,750	Operation and maintenance of Santee Coastal Reserve
Total Budget	$150,000		$180,000	

Figure 1. South Carolina mid-winter waterfowl survey estimated numbers of ducks, 1964-2005.

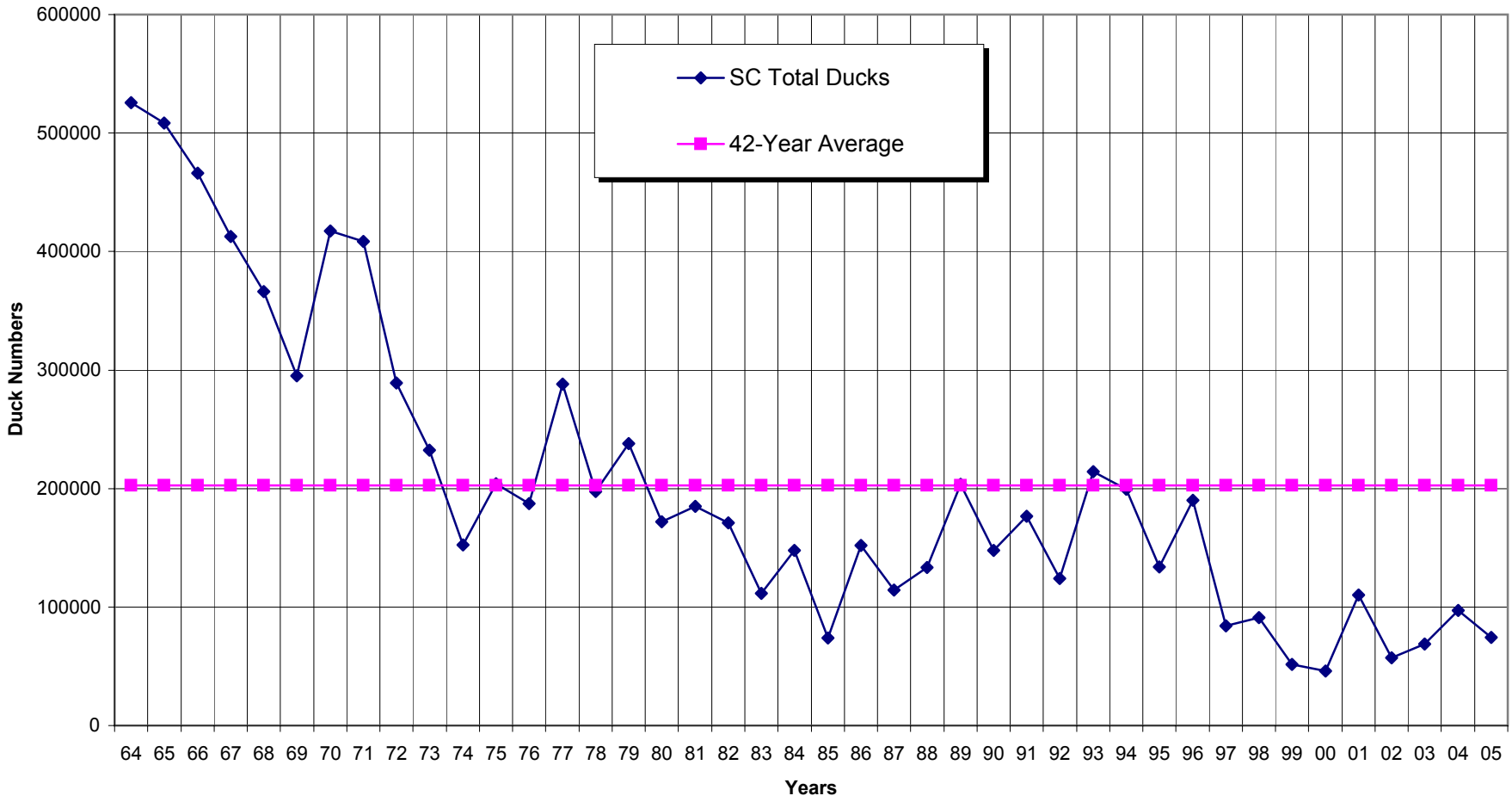


Figure 2. South Carolina mid-winter waterfowl survey estimated numbers of geese, 1964-2005.

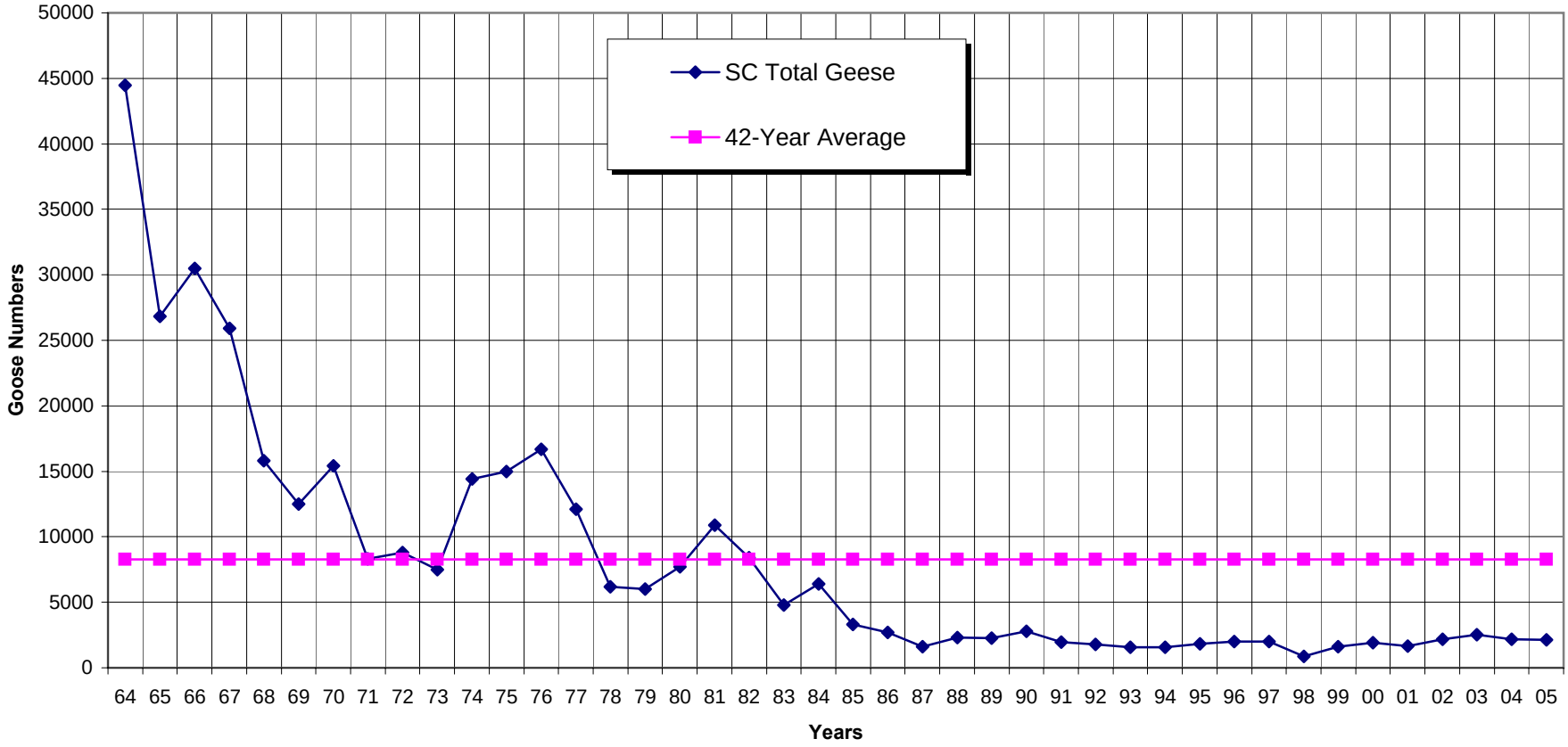


Figure 3. Atlantic Flyway mid-winter waterfowl survey estimated numbers of ducks, 1964-2005.

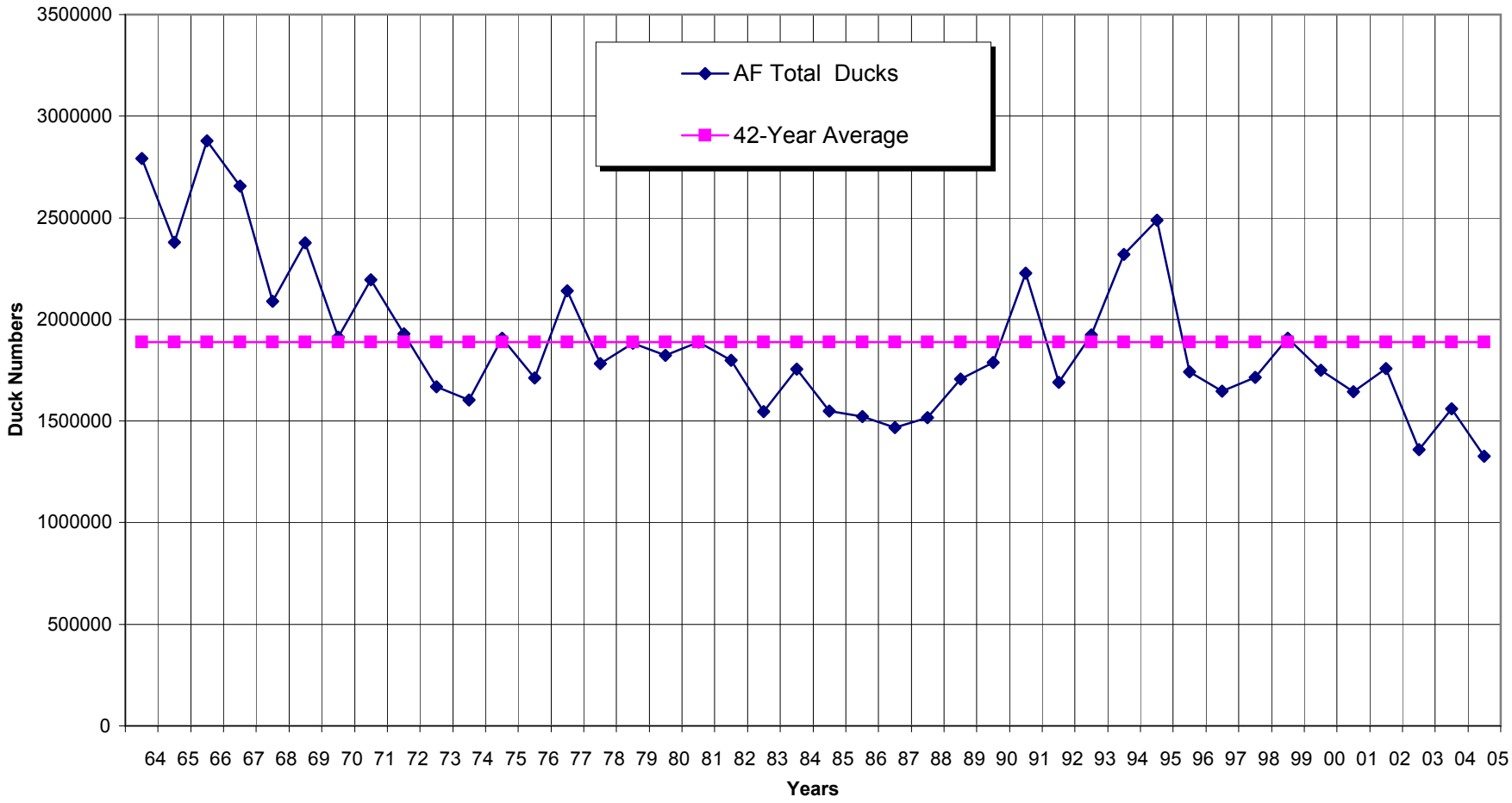


Figure 4. Atlantic Flyway mid-winter waterfowl survey estimated numbers of Canada geese, brant and snow geese, 1964-2005.

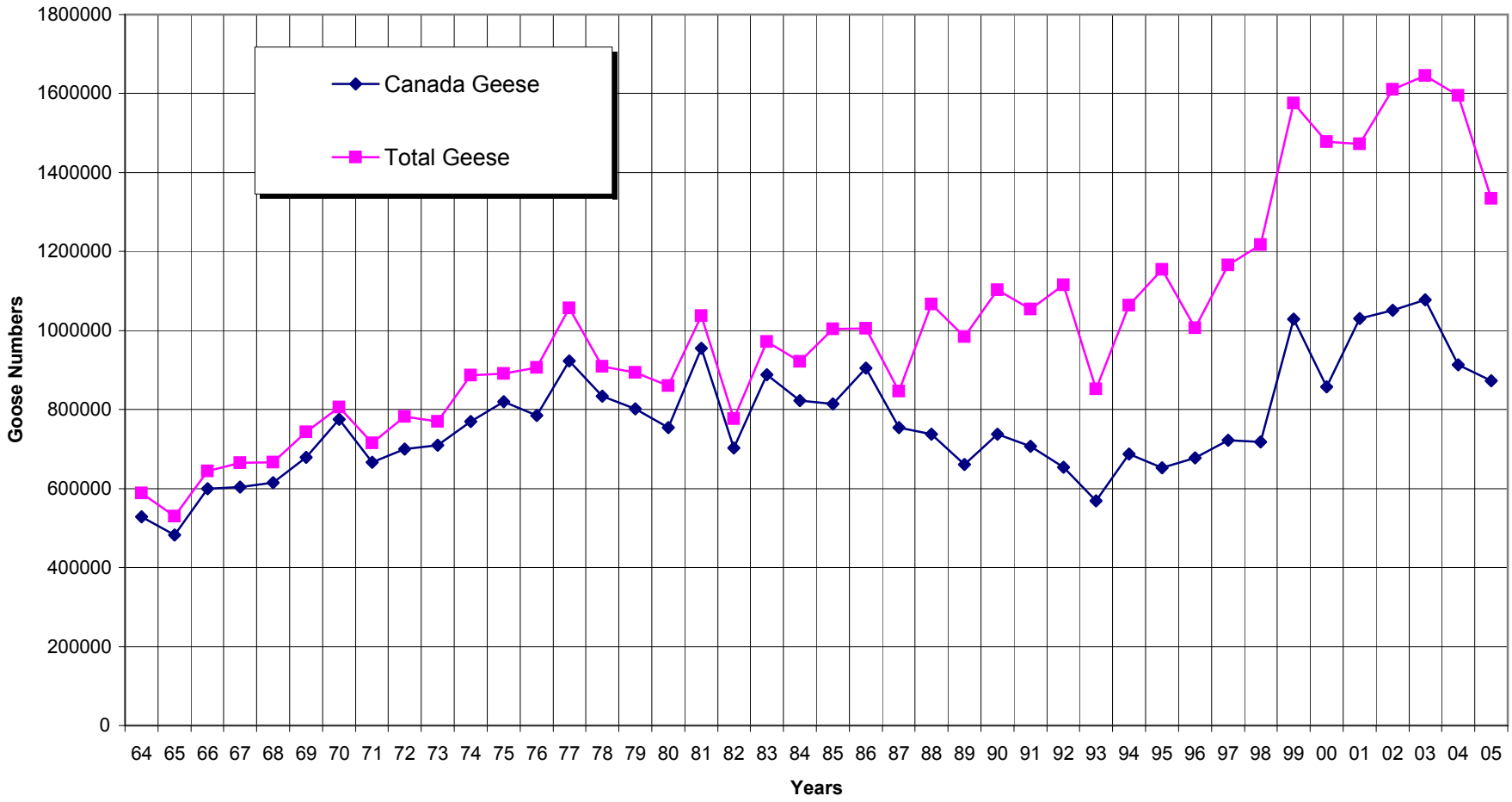


Figure 5. Estimated number of waterfowlers annually hunting in public water adjacent to Samworth WMA, 1983-84 through 2003-04.

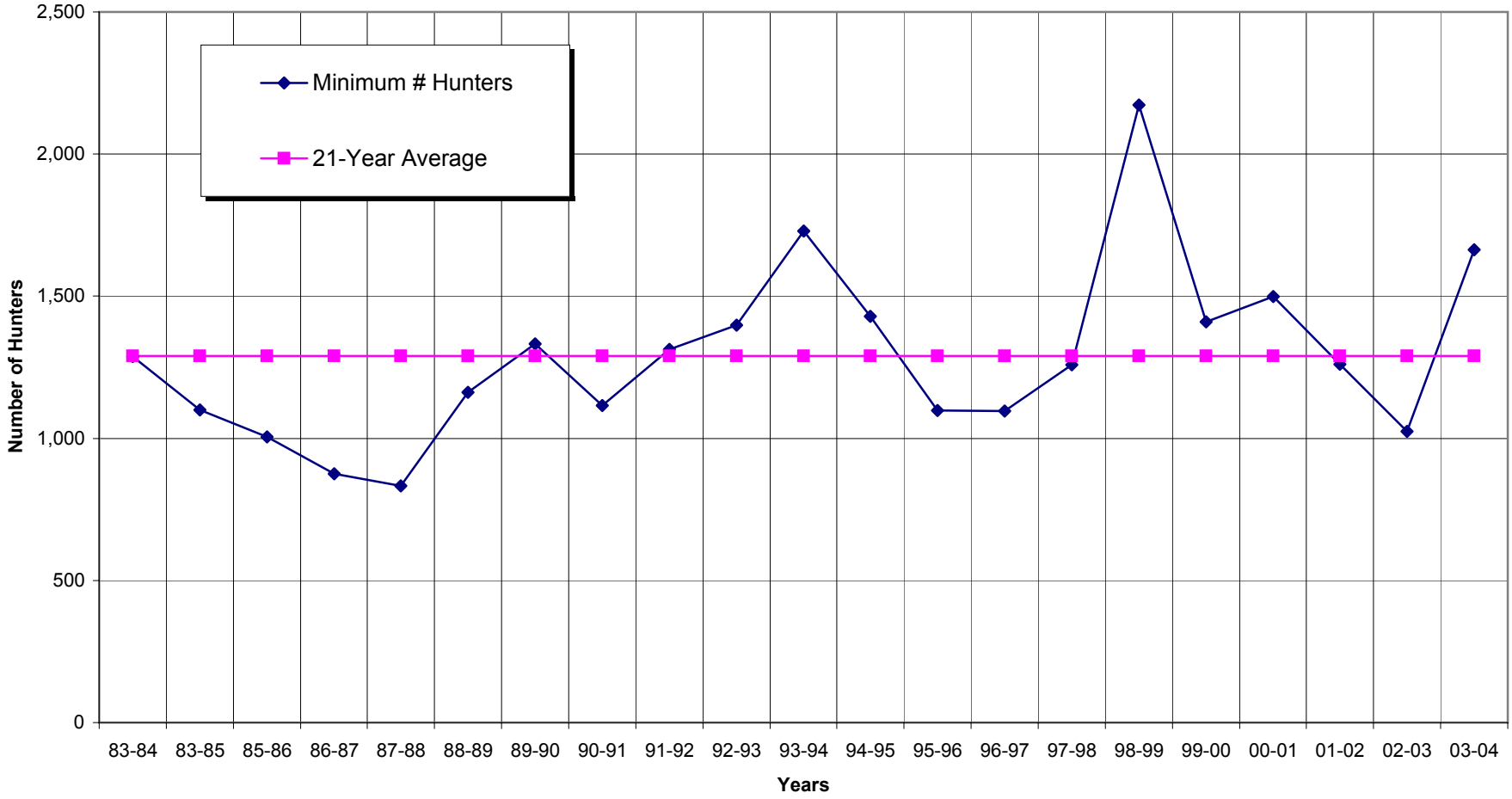


Figure. 6. Annual waterfowl harvest/hunter/day on DNR Category I and II Areas, 1969-70 through 2004-05.

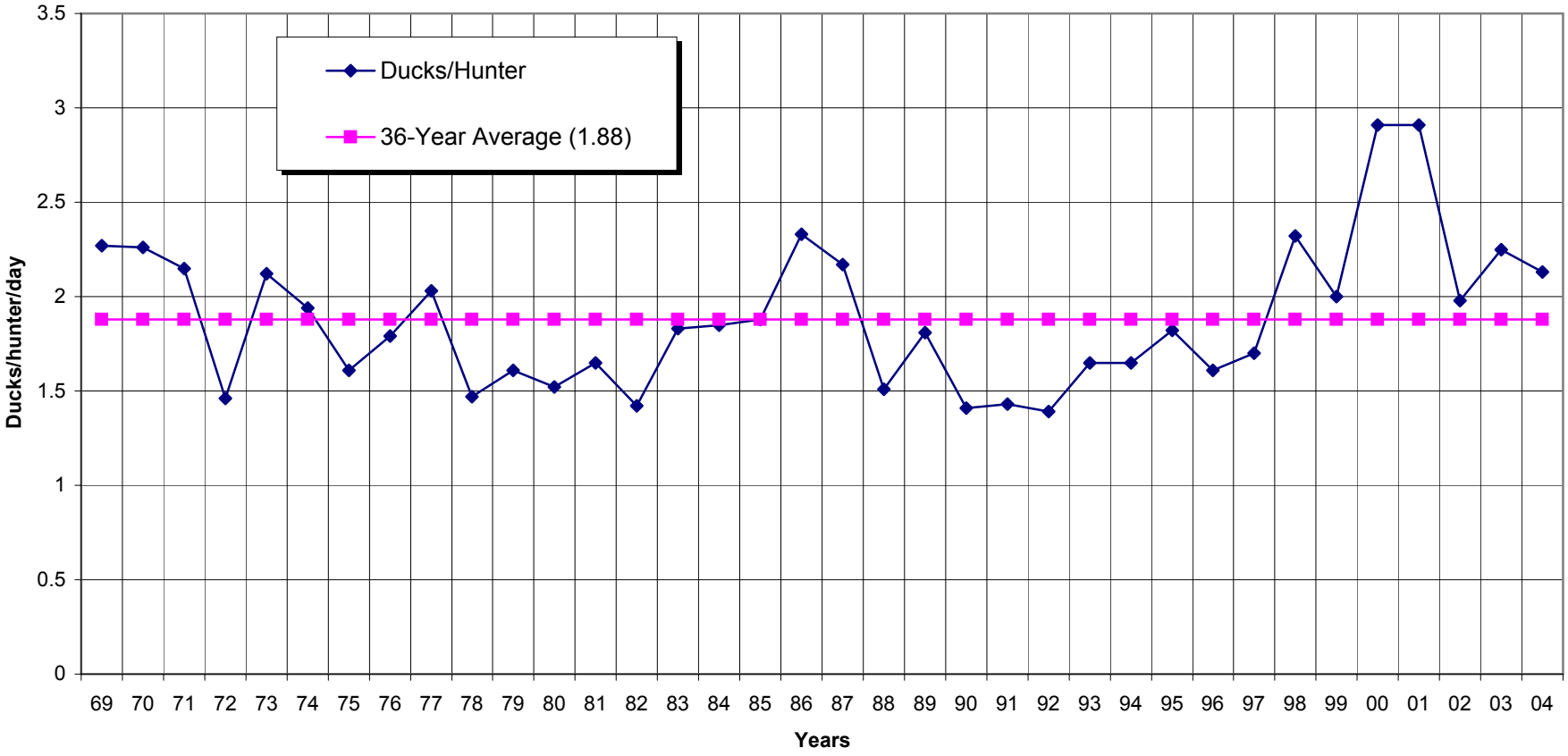


Figure 7. Governor's wood duck project cooperator reporting, 1982-2004.

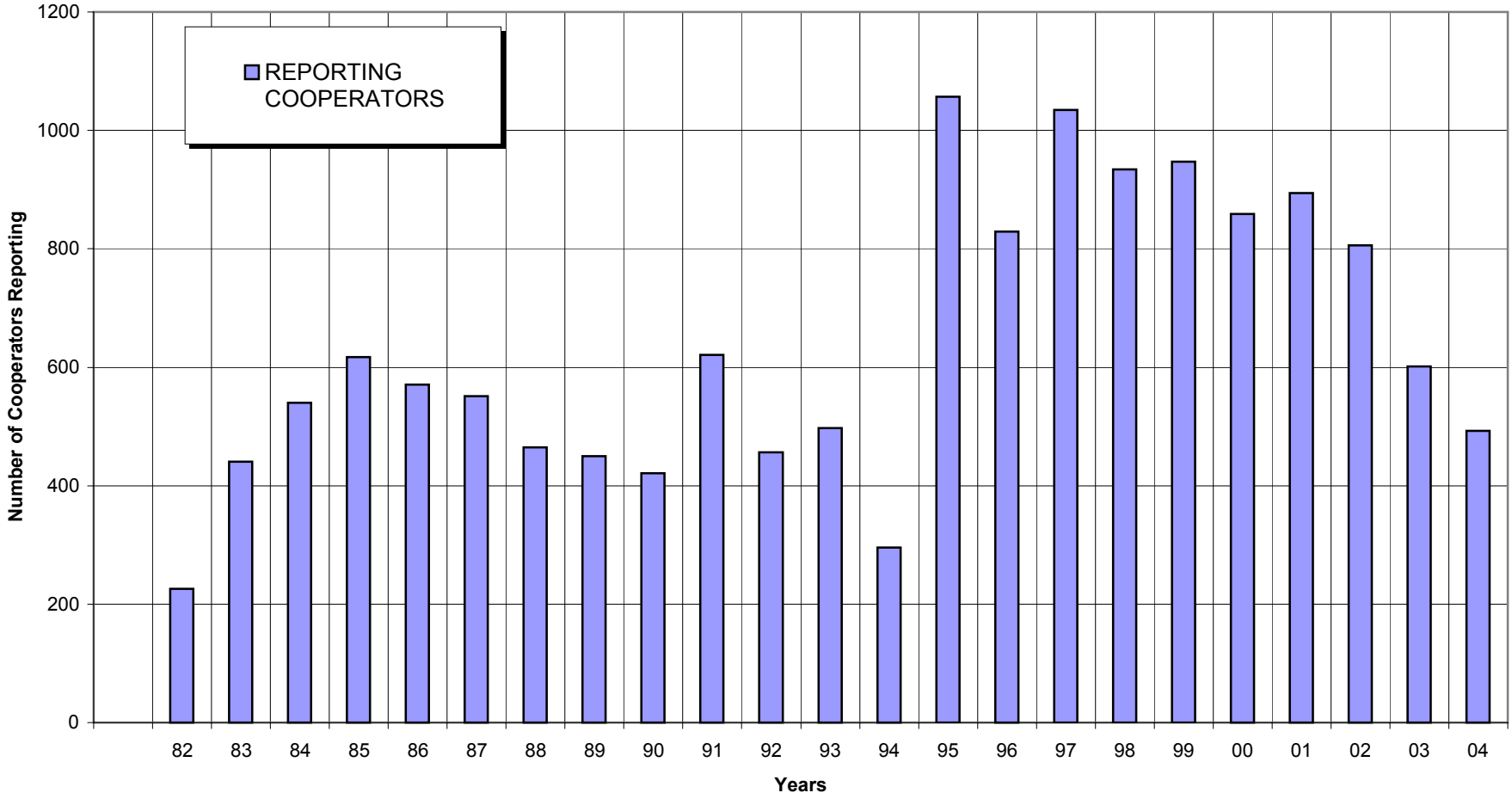


Figure 8. Governor's wood duck project percentage of cooperators reporting nesting activity, 1982-2004.

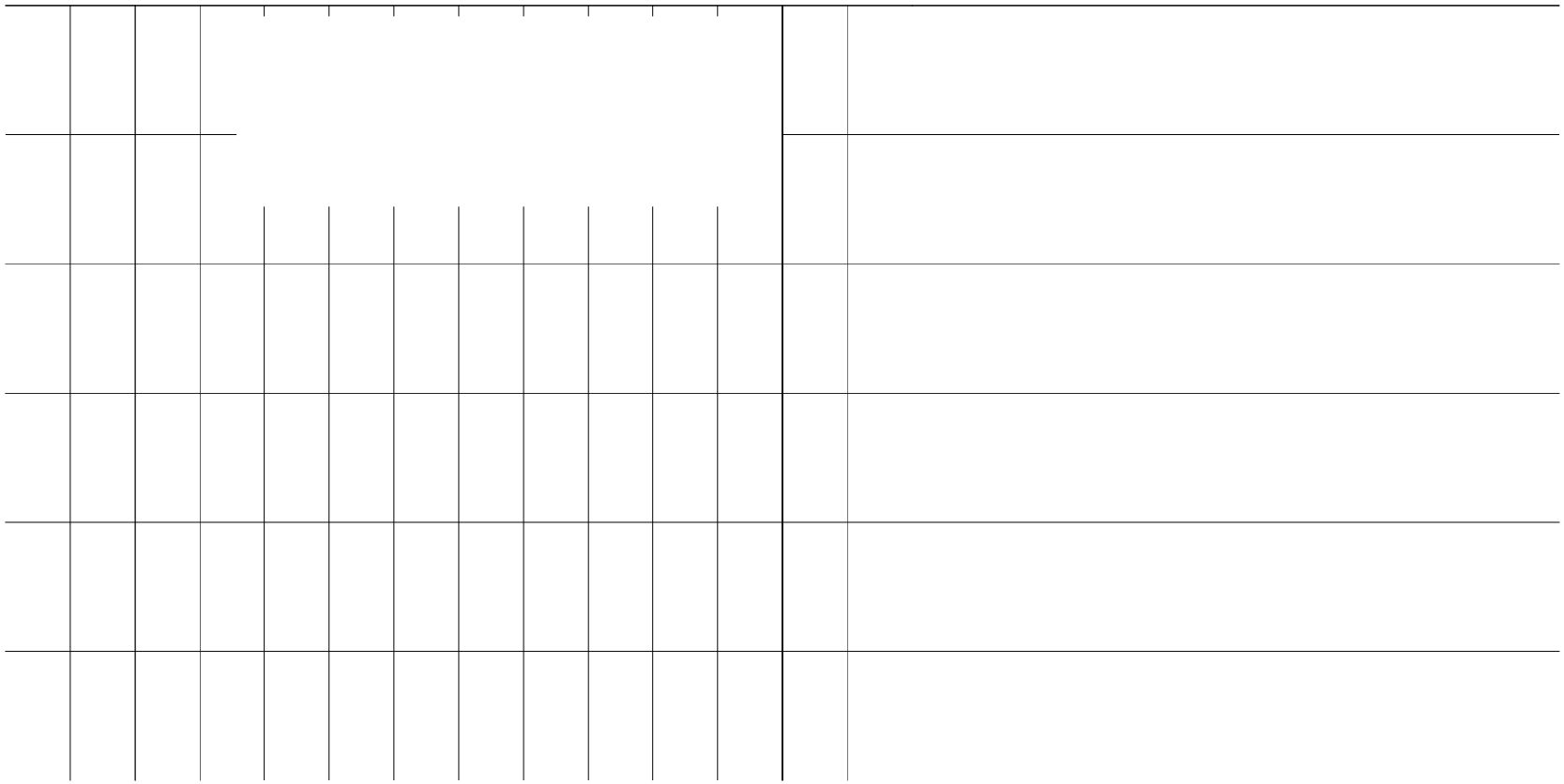


Figure 9. Governor's wood duck project annual minimum reported wood duck production, 1982-2004.

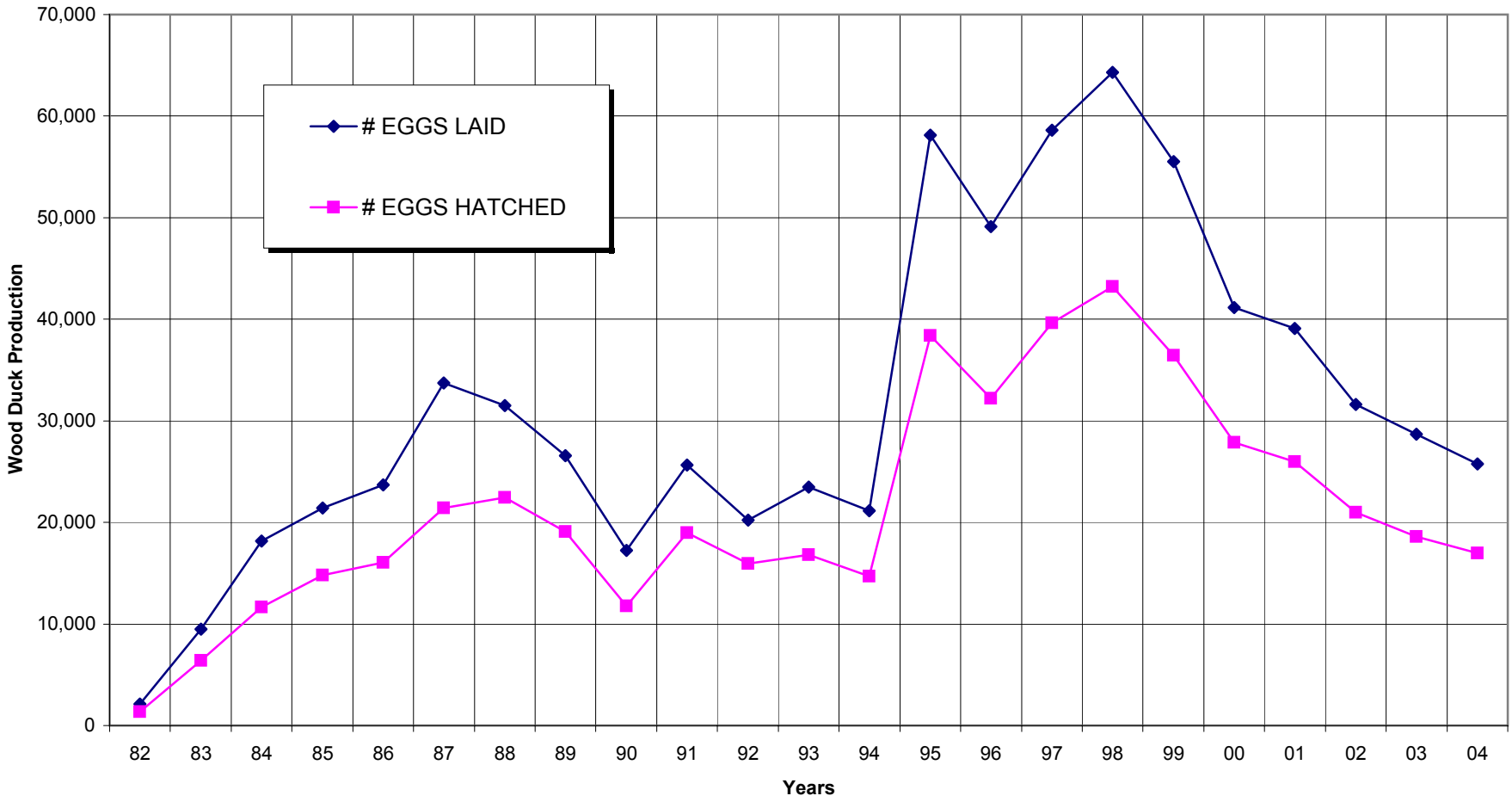
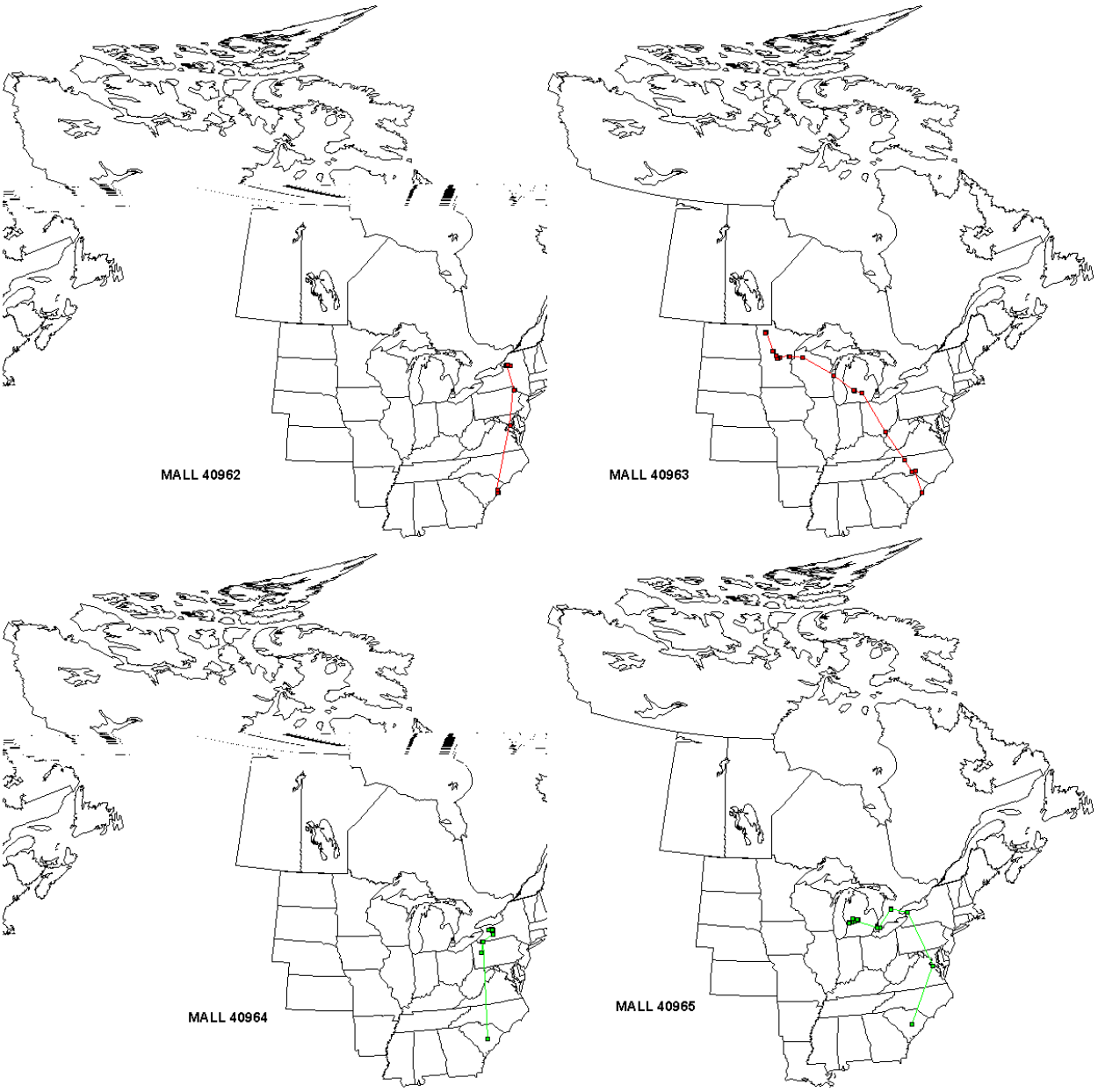
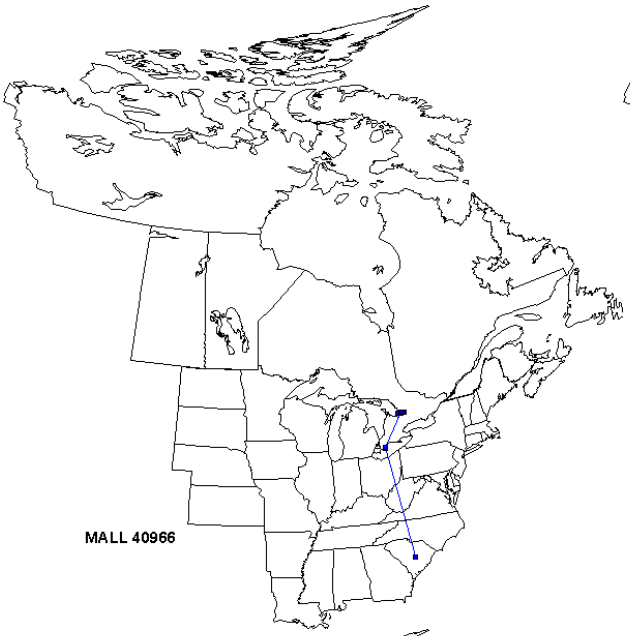
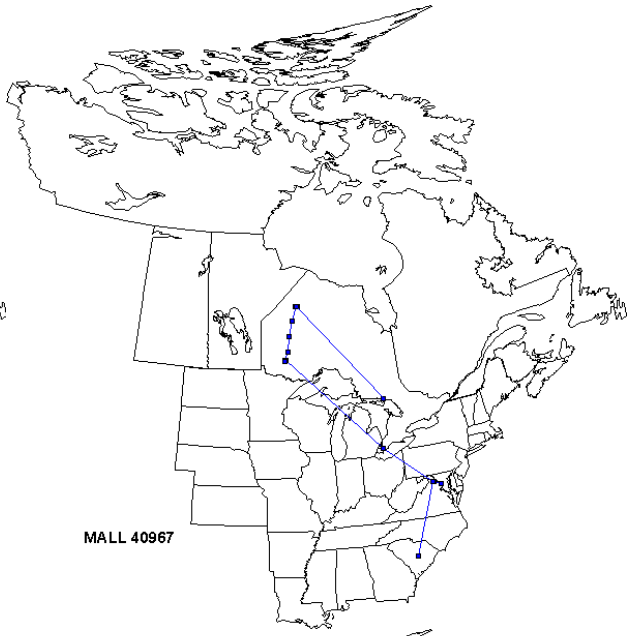


Figure 10. Movement of mallards and Northern pintails marked with satellite transmitters in SC during 2003 and 2004.




MALL 40966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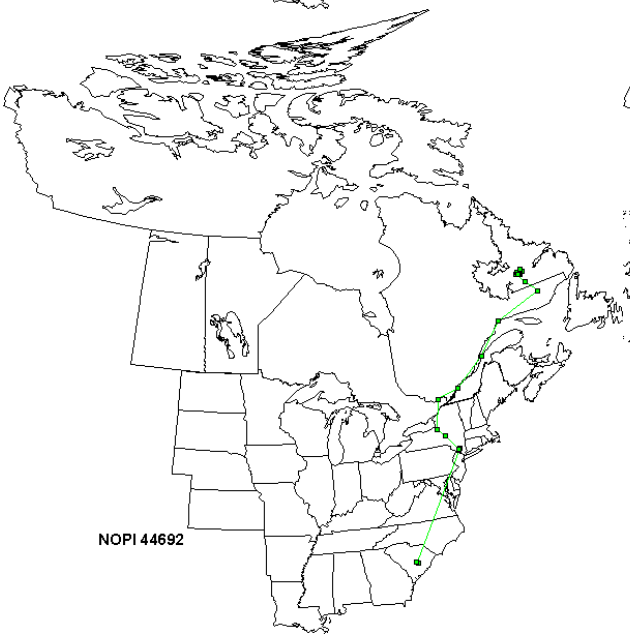
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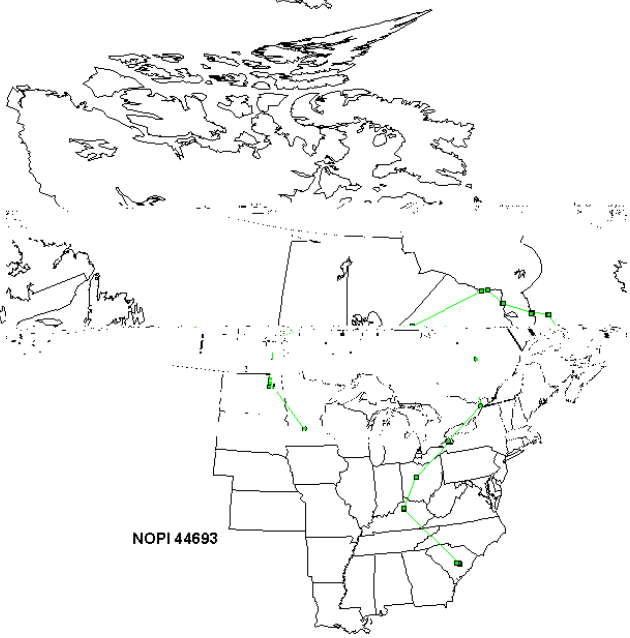
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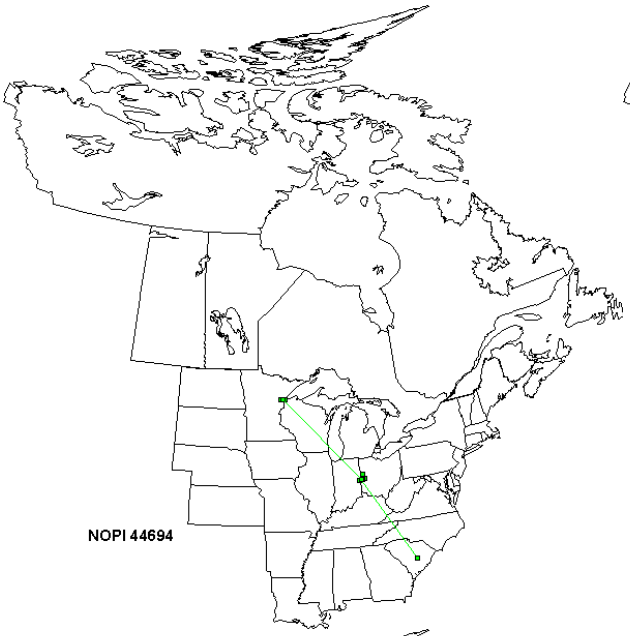
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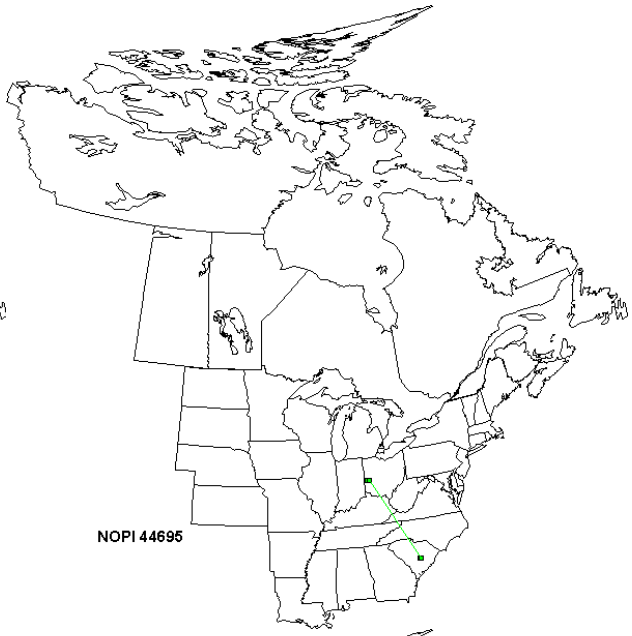
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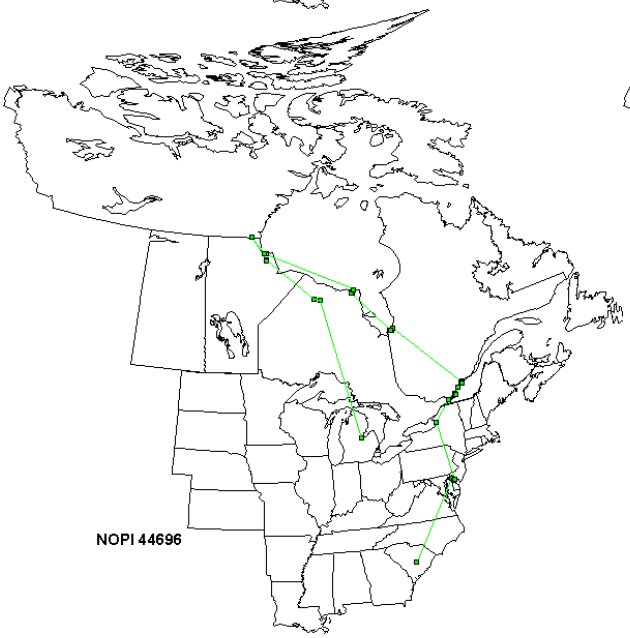
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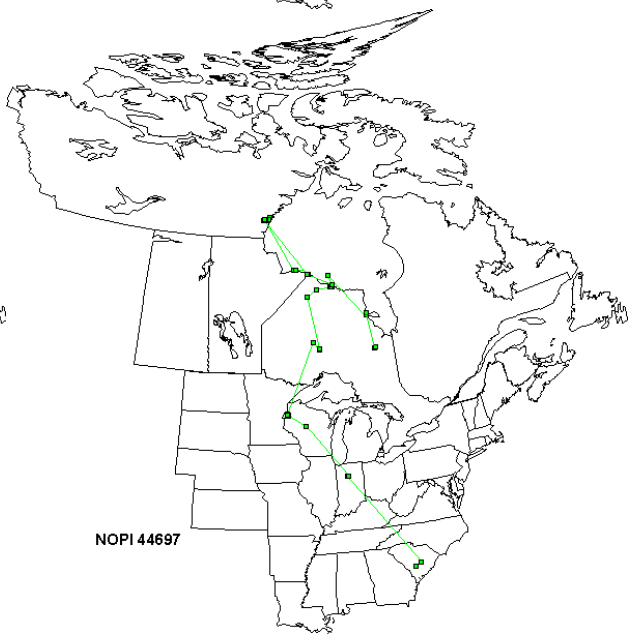
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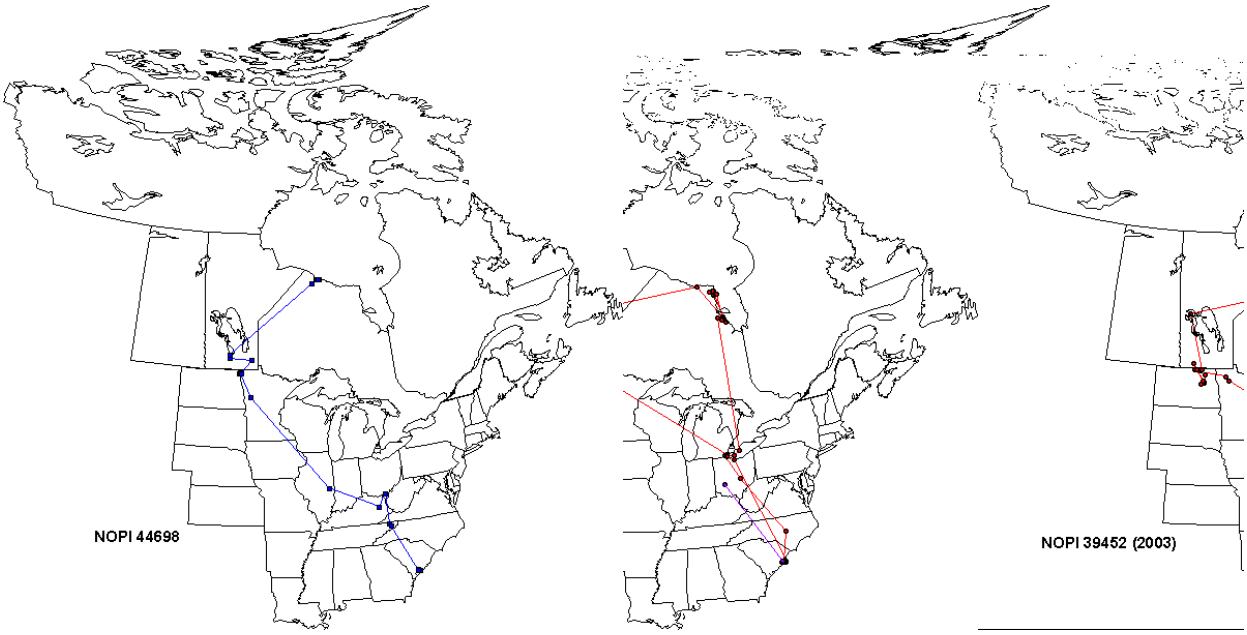
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NOPI 39452 (2003)
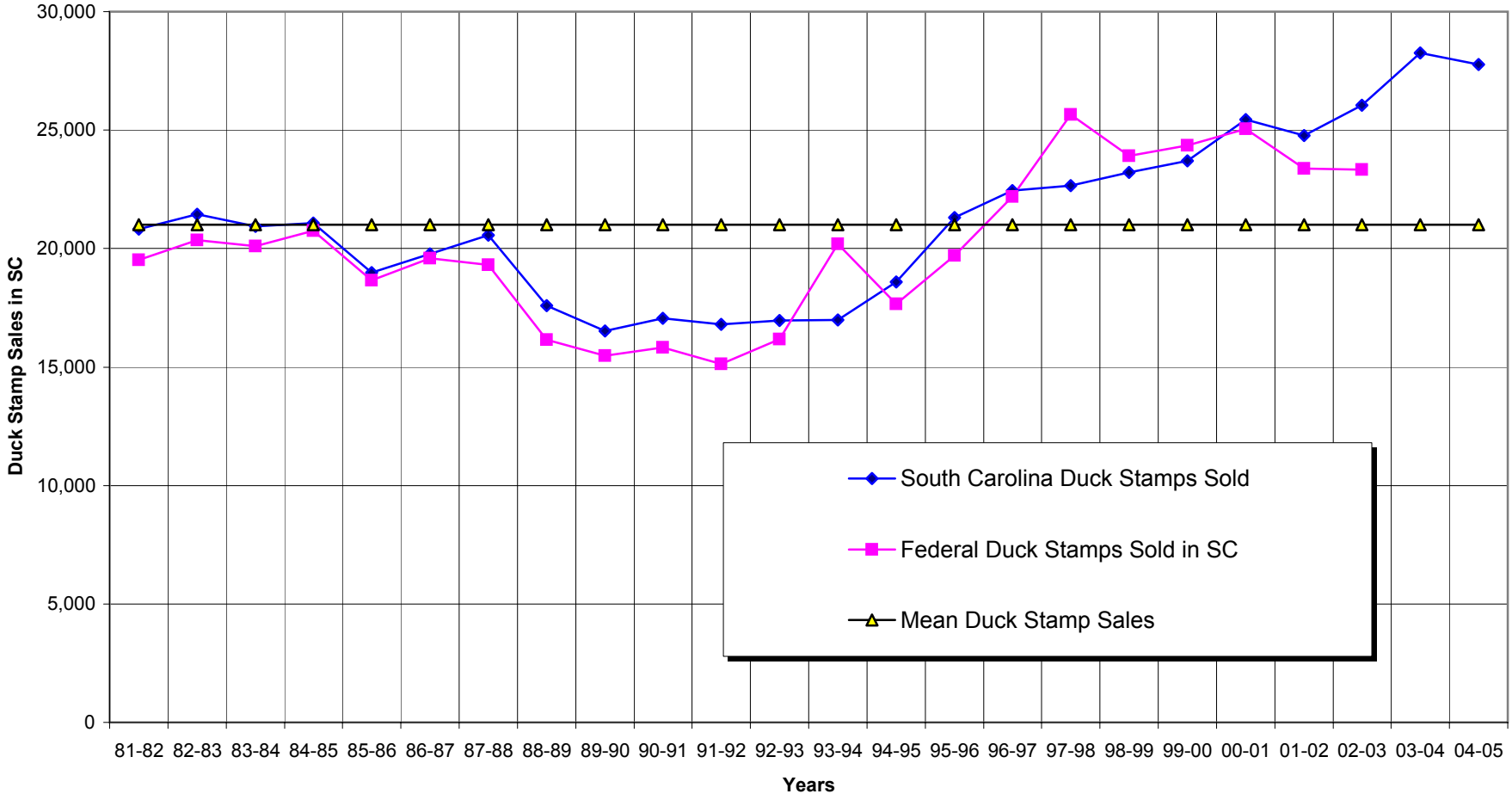
Figure 11. South Carolina and Federal duck stamp sales in SC, 1981-82 through 2004-05.