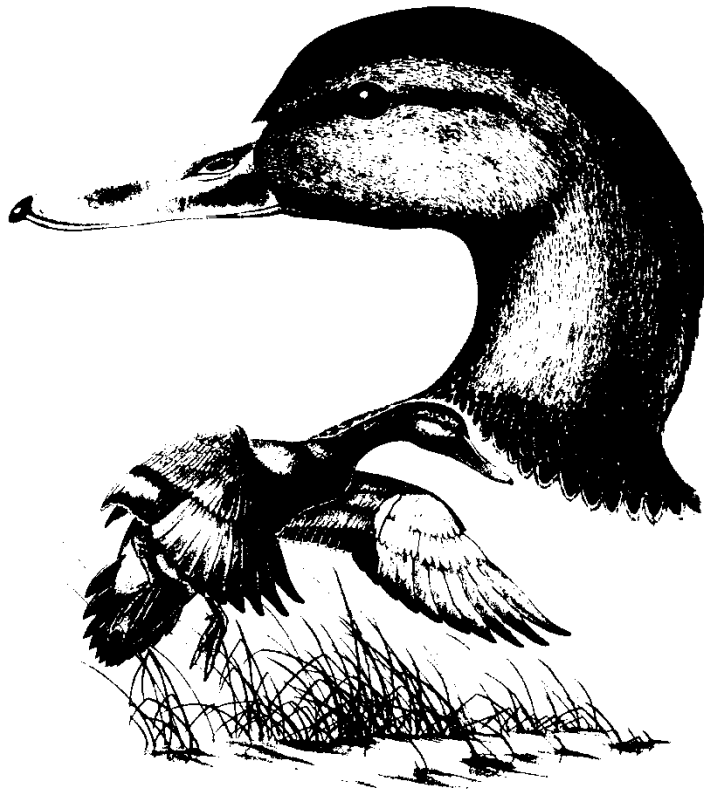


ATLANTIC FLYWAY

WATERFOWL HARVEST AND POPULATION SURVEY DATA

November 2016



COMPILED BY:

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DIVISION OF MIGRATORY BIRD MANAGEMENT
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Note To Users

Since 1961, estimates of waterfowl harvest and hunting activity and success in the United States have been derived from the U.S. Fish and Wildlife Service's Waterfowl Harvest Survey. This is a 2-part survey including: 1) a questionnaire survey used to determine hunting activity and success and total harvest; and 2) a waterfowl-parts-collection survey used to apportion harvest by species, age, and sex.

From 1961 to 2001, the questionnaire portion of the survey (termed the "Mail Questionnaire Survey" or MQS) was a mail survey of individuals who purchased duck stamps with the intention of hunting waterfowl. Problems with using duck stamp purchasers as a sampling frame for harvest estimation led to a new survey design in the mid-1990s. This design, called the Harvest Information Program (HIP), was fully implemented in 1999. In this program, the sampling frame is derived from list of those who have registered with state wildlife agencies as migratory bird hunters. The new questionnaire portion of the survey includes some species and groups of migratory game birds other than waterfowl (e.g. woodcock and doves). The parts-collection portion of the survey was expanded to include these species and groups as well.

Because the source of participants and the design of the questionnaire survey in the Harvest Information Program are different from those in the previously used survey, the estimates of waterfowl harvest, hunting activity, and hunter success derived from the 2 surveys ***are not comparable***.

For this reason, the harvest estimates (1961-2001) based on the discontinued MQS were removed from our annually-updated compilation of Atlantic Flyway data entitled "Waterfowl Harvest and Population Survey Data" and placed in a separate compilation entitled "Estimates of Waterfowl Harvest, Hunting Activity, and Success, 1961-2001."

Copies of the final MQS report are available upon request from:
Paul Padding, Atlantic Flyway Representative, Laurel, Maryland
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ATLANTIC FLYWAY

Atlantic Flyway Council Information.....	1
--	---

Waterfowl Hunter Participation and Success

Active duck hunters	3
Days hunted by active duck hunters	3
Seasonal duck harvest per active duck hunter	3
Active sea duck hunters	4
Days hunted by active sea duck hunters	4
Seasonal sea duck harvest per active sea duck hunter	4
Active goose hunters.....	5
Days hunted by active goose hunters.....	5
Seasonal goose harvest per active goose hunter	5
Active brant hunters.....	6
Days hunted by active brant hunters.....	6
Seasonal brant harvest per active goose hunter	6

US WATERFOWL HARVEST ESTIMATES

All ducks	7
Mallards	7
Mallard X black duck.....	7
Black ducks.....	8
Mottled duck.....	8
Gadwall.....	8
Green-winged teal.....	9
Blue-winged teal.....	9
Wigeon.....	9
Green-winged teal during Special September Seasons.....	10
Blue-winged teal during Special September Seasons.....	11
Shovelers.....	12
Pintails.....	12
Wood ducks	12
Redheads.....	12
Canvasbacks.....	13
Greater scaup	13
Lesser scaup.....	13
Ring-necked ducks.....	14
Common goldeneye	14
Bufflehead.....	14
Common merganser.....	15
Red-breasted merganser.....	15
Hooded merganser	15
Long-tailed duck.....	16
Common eider.....	16
Black scoter.....	16

White-winged scoter	17
Surf scoter	17
Ruddy duck	17
Florida duck harvest during September season	18
Canada geese	19
Snow/Ross' geese	19
Atlantic brant	19
Canada goose harvest by season	20
Tundra swans	
Permits issued	21
Active Swan Hunters	22
Retrieved Harvests	23
Harvest Per Hunter	24
WATERFOWL SURVEYS	
Mallard and black duck harvest age ratios	25
Mid-winter Waterfowl Survey indices	
Atlantic brant	26
Tundra swans	28
Mid-winter Waterfowl Survey indices Mississippi Flyway	
Black ducks	30
Atlantic Flyway Breeding Waterfowl Plot Survey	
Mallard breeding population and breeding pair estimates	32
Black duck breeding population and breeding pair estimates	33
Wood duck breeding population and breeding pair estimates	34
Gadwall and teal breeding population and breeding pair estimates	35
Merganser breeding population and breeding pair estimates	36
Estimates of total breeding ducks	36
Canada goose breeding population and breeding pair estimates	37
Mute swan breeding population and breeding pair estimates	38
Productivity of greater snow geese, Atlantic brant, and tundra swans	39
Duck breeding population estimates	
Traditional Area	40
Eastern Area	41
AP Canada Goose Breeding Pair Survey -- Quebec	42
NAP Canada Goose Breeding Survey	43
SJBP Canada Goose Breeding Survey	44
Greater snow goose population and productivity estimates from the St. Lawrence Valley	45
CANADA	
Hunting permit sales	46
Harvest estimates	
All Ducks	47
Mallards	48
Black ducks	49

Pintails.....	50
Canada geese.....	51
Atlantic brant	52
Lesser snow geese.....	53
Greater snow geese	54
Harvest age ratios of black ducks in Canada	55

WEBLESS SPECIES

Mourning doves

Eastern Management Unit harvest estimates	56
Eastern Management Unit hunter numbers.....	56
Eastern Management Unit seasonal harvest per hunter	56
Eastern Management Unit hunter days	56
US harvest estimates.....	57
US hunter days.....	57

American woodcock

Eastern Management Region harvest estimates.....	58
Eastern Management Region hunter numbers	58
Eastern Management Region seasonal harvest per hunter.....	58
Eastern Management Region hunter days.....	58
US harvest estimates	59
US hunter days	59

Rails

Harvest in VA, NJ, and AF.....	60
--------------------------------	----

Snipe

Harvest in FL and AF.....	60
---------------------------	----

**Atlantic Flyway Council and Technical Sections
History of Chairmanships, Meeting Locations, and USFWS and CWS Representatives, 1952 - 2016**

Year	AFC Chairman	AFTS Chairman	AFNGTS Chairman	Winter AFTS meeting	Winter AFC meeting	Annual AFC & AFTS meeting ^{1, 2}	USFWS Representative	CWS Representative
1952	Charles Belt (NY)				Miami, FL	Washington, DC (Inaugural mtg, January)	Ed Addy	
1953	Charles Belt (NY)				Washington, DC	Wilmington, DE	Ed Addy	
1954	Charles Belt (NY)				Chicago, IL	Baltimore, MD	Ed Addy	
1955	Clyde Patton (NC)				Montreal, PQ	Raleigh, NC	Ed Addy	
1956	Clyde Patton (NC)				New Orleans, LA	Baltimore, MD	Ed Addy	
1957	Lester McNamara (NJ)				Washington, DC	Davis, WV	Ed Addy	
1958	Clyde Patton (NC)				St. Louis, MO	Burlington, VT	Ed Addy	
1959	Clyde Patton (NC)				New York, NY	Virginia Beach, VA	Ed Addy	Louis Lemieux
1960	Clyde Patton (NC)				Dallas, TX	Baltimore, MD (TS Formed, V. Stotts Chair)	Ed Addy	Louis Lemieux
1961	George Davis (VT)	Vernon Stotts (MD)		Annapolis, MD	Washington, DC	Old Point Comfort, VA	Ed Addy	Louis Lemieux
1962	George Davis (VT)	Vernon Stotts (MD)		Savannah, GA	Denver, CO	Baltimore, MD (D. Benson TS Chair)	Ed Addy	Louis Lemieux
1963	Chester Phelps (VA)	Dirck Benson (NY)		Baltimore, MD	Detroit, MI	Baltimore, MD	Ed Addy	Louis Lemieux
1964	Chester Phelps (VA)	Dirck Benson (NY)		Cacapon State Park, WV	Las Vegas, NV	Richmond, VA (L. Lemieux TS Chair)	Ed Addy	Bill Munro
1965	Norman Wilder (DE)	Louis Lemieux (PQ)		Mattamuskeet Lodge, NC	Washington, DC	Newark, DE	Ed Addy	Bill Munro
1966	Norman Wilder (DE)	Louis Lemieux (PQ)		Québec City, PQ	Pittsburgh, PA	Arlington, VA (O. Florschutz TS Chair)	Ed Addy	Richard Fyfe
1967	James Webb (SC)	Otto Florschutz (NC)		Naples, FL	San Francisco, CA	Easton, MD	Ed Addy	Richard Fyfe
1968	James Webb (SC)	Howard (Skip) Spencer (ME)		Chestertown, MD	Houston, TX	Charleston, SC	Ed Addy	Bill Whitman
1969	James Shepard (MA)	Howard (Skip) Spencer (ME)		Albany, NY	Washington, DC	Boston, MA	Ed Addy	Bill Whitman
1970	James Shepard (MA)	Howard (Skip) Spencer (ME)		Toronto, ON (Joint meeting w/ MF)	Chicago, IL	Annapolis, MD (B. Dawson TS Chair)	Ed Addy	Bill Whitman
1971	Earl Frye, Jr. (FL)	Blair Dawson (ON)		Fort Lauderdale, FL	Portland, OR	Fredericton, NB	Ed Addy	Bill Whitman
1972	Earl Frye, Jr. (FL)	Blair Dawson (ON)		Atlantic City, NJ	Mexico City, Mexico	Sanibel Island, FL (O. Dewberry TS Chair)	Ed Addy	Bill Whitman
1973	Russel Cookingham (NJ)	Oscar Dewberry (GA)		Hershey, PA	Washington, DC	Moncton, NB	Vacant	Bill Whitman
1974	Russel Cookingham (NJ)	Oscar Dewberry (GA)		Kitty Hawk, NC	Denver, CO	Dover, DE	Warren Blandin	Bill Whitman
1975	Jack Crockford (GA)	Fred Ferrigno (NJ)		Jeckyll Island, GA	Pittsburgh, PA	Atlantic City, NJ	Warren Blandin	Bill Whitman
1976	Jack Crockford (GA)	Fred Ferrigno (NJ)		Greenville, ME	Washington, DC	Savannah, GA	Warren Blandin	Bill Whitman
1977	Dan Cantner (WV)	Jim Ruckel (WV)		Newport, RI	Atlanta, GA	Davis, WV	Warren Blandin	Austin Reed
1978	Dan Cantner (WV)	Jim Ruckel (WV)		Homosassa, FL	Phoenix, AZ	Williamsburg, VA	Warren Blandin	Austin Reed
1979	Herbert Doig (NY)	Tommy Hines (FL)		Charleston, SC	Toronto, ON	Albany, NY	Warren Blandin	Austin Reed
1980	Herbert Doig (NY)	Tommy Hines (FL)		Burlington, VT	Miami Beach, FL	Wrightsville Beach, NC	Warren Blandin	Austin Reed
1981	Jim Timmerman (SC)	Lloyd Alexander (DE)		Salisbury, MD	Washington, DC	Baltimore, MD	Warren Blandin	Austin Reed
1982	Jim Timmerman (SC)	Lloyd Alexander (DE)		Dover, DE	Portland, OR	Charleston, SC	Warren Blandin	Austin Reed
1983	Bill Wagner, II (DE)	Steve Browne (NY)		Torrington, CT	Kansas City, MO	Bar Harbor, ME	Vacant	Bill Whitman
1984	Bill Wagner, II (DE)	Steve Browne (NY)		Bedford, NH	Boston, MA	Hyannis, MA	Jerry Serie	Andre Bourget
1985	Bob Brantley (FL)	Fred Hartman (PA)		Savannah, GA	Washington, DC	Cherry Hill, NJ	Jerry Serie	Bob Bailey
1986	Bob Brantley (FL)	Fred Hartman (PA)		Orlando, FL	Reno, NV	Williamsburg, VA	Jerry Serie	Bob Bailey
1987	Ken Wich (NY)	Tommy Strange (SC)		Toronto, ON	Québec City, PQ	Tampa, FL	Jerry Serie	Bob Bailey
1988	Ken Wich (NY)	Tommy Strange (SC)		St. Louis, MO (Joint meeting w/ MF)	Louisville, KY	Toronto, ON	Jerry Serie	Bob Bailey
1989	Leon Kirkland (GA)	Fax Settle (VA)		Portland, ME	Washington, DC	Quebec City, PQ	Jerry Serie	Bob Bailey
1990	Leon Kirkland (GA)	Fax Settle (VA)		St. John, NB	Denver, CO	Buffalo, NY	Jerry Serie	Bob Bailey
1991	Bill Wagner, II (DE)	Dennis Luszc (NC)		Easton, MD	Edmonton, AB	Burlington, VT	Jerry Serie	Kathy Dickson
1992	Bill Wagner, II (DE)	Dennis Luszc (NC)		Virginia Beach, VA	Charlotte, NC	Wrightsville Beach, NC	Jerry Serie	Kathy Dickson

History of Chairmanships, Meeting Locations, and USFWS and CWS Representatives, 1952 - 2016

Year	AFC Chairman	AFTS Chairman	AFNGTS Chairman	Winter AFTS meeting	Winter AFC meeting	Annual AFC & AFTS meeting ^{1,2}	USFWS Representative	CWS Representative
1993	Charles Fullwood (NC)	Pat Corr (ME)		Davis, WV	Washington, DC	Fredricton, NB	Jerry Serie	Kathy Dickson
1994	Charles Fullwood (NC)	Pat Corr (ME)		Tallahassee, FL	Anchorage, AK	St. Michaels, MD	Jerry Serie	Kathy Dickson
1995	Wayne MacCallum (MA)	Tom Myers (VT)		Worcester, MA	Minneapolis, MN	Charleston, WV	Jerry Serie	Kathy Dickson
1996	Wayne MacCallum (MA)	Tom Myers (VT)		Mt. Pocono, PA (Joint meeting w/ MF)	Tulsa, OK	Kansas City, MO (Joint all Flyways meeting)	Jerry Serie	Kathy Dickson
1997	Bob McDowell (NJ)	Dave Brakhage (FL)		Newport, RI	Washington, DC	Savannah, GA	Jerry Serie	Kathy Dickson
1998	Bob McDowell (NJ)	Dave Brakhage (FL)		Absecon, NJ	Orlando, FL	Simsbury, CT	Jerry Serie	Kathy Dickson
1999	Josh Sandt (MD)	Paul Castelli (NJ)		Dover, DE	Burlingame, CA	Key West, FL	Jerry Serie	Kathy Dickson
2000	Josh Sandt (MD)	Paul Castelli (NJ)		Kill Devil Hills, NC	Rosemont, IL	Memphis, TN (Joint all Flyways meeting)	Jerry Serie	Kathy Dickson
2001	Frank Montalbano (FL)	Larry Hindman (MD)		Portsmouth, NH	Washington, DC	Québec City, PQ	Jerry Serie	Kathy Dickson
2002	Frank Montalbano (FL)	Larry Hindman (MD)		Charleston, SC	Dallas, TX	Burlington, VT	Jerry Serie	Kathy Dickson
2003	Bob Ellis (VA)	John Dunn (PA)		Peterborough, ON	Winston-Salem, NC	Boiling Springs, PA	Jerry Serie	Kathy Dickson
2004	Bob Ellis (VA)	John Dunn (PA)		Jeckyll Island, GA	Spokane, WA	Dover, DE	Jerry Serie	Kathy Dickson
2005	Ron Regan (VT)	Diane Eggeman (FL)		Mystic, CT	Arlington, VA	Bar Harbor, ME	Jerry Serie	Kathy Dickson
2006	Ron Regan (VT)	Diane Eggeman (FL)	Karen Bennett (DE)	Louisville, KY (Joint meeting w/ MF)	Columbus, OH	Charleston, SC	Jerry Serie	Bruce Pollard
2007	David Cobb (NC)	Bill Crenshaw (VT)	Laurel Barnhill (SC)	Saratoga, NY	Portland, OR	Portsmouth, NH	Paul Padding	Bruce Pollard
2008	David Cobb (NC)	Bill Crenshaw (VT)	Chris McGrath (NC)	Burlington, VT	Phoenix, AZ	Princeton, NJ	Paul Padding	Bruce Pollard
2009	Cal DuBrock (PA)	Bryan Swift (NY)	Chris McGrath (NC)	Easton, MD	Arlington, VA	Charlottetown, PEI	Paul Padding	Bruce Pollard
2010	Cal DuBrock (PA)	Bryan Swift (NY)	Robin Boughton (FL)	St. Petersburg, FL	Milwaukee, WI	Wilmington, NC	Paul Padding	Bruce Pollard
2011	Dan Forster (GA)	Chris Davies (ON)	Robin Boughton (FL)	Portland, ME	Kansas City, MO	Newport, RI	Paul Padding	Bruce Pollard
2012	Dan Forster (GA)	Chris Davies (ON)	John Ozard (NY)	Sturbridge, MA	Atlanta, GA	Williamsburg, VA	Paul Padding	Bruce Pollard
2013	Larry Herrigthy (NJ)	Greg Baikcom (GA)	John Ozard (NY)	Peterborough, ON	Arlington, VA	Mystic, CT	Paul Padding	Bruce Pollard
2014	Larry Herrigthy (NJ)	Greg Baikcom (GA)	John Buck (VT)	Hershey, PA	Denver, CO	Charleston, WV	Paul Padding	Bruce Pollard
2015	Diane Eggeman (FL)	Gary Costanzo (VA)	John Buck (VT)	Rehoboth Beach, DE	Omaha, NE	Albany, NY	Paul Padding	Bruce Pollard
2016	Diane Eggeman (FL)	Gary Costanzo (VA)	Derrell Shipes (SC)	Virginia Beach, VA	Pittsburgh, PA	Jacksonville, FL	Paul Padding	Bruce Pollard

¹ Held in summer from 1953-2015; held in fall beginning in 2016² Additional AFC meeting held in fall 2015 via conference call to recommend 2016 hunting regulations

Estimates of Active Duck Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	8,300	1,600	3,100	2,900	4,200	1,100	20,000	30,600	1,100	8,400	4,400	18,500	15,300	27,000	16,800	21,000	14,000	
2000	8,500	1,700	3,000	3,300	3,400	900	17,700	31,800	1,000	7,900	4,200	17,900	15,200	33,900	15,800	18,900	6,900	
2001	6,900	1,700	2,900	3,300	3,200	1,000	20,100	35,200	600	7,100	4,500	21,400	18,100	29,700	15,200	14,300	12,600	
2002	6,000	2,600	2,600	3,100	2,800	700	20,500	32,000	700	7,300	4,700	17,300	18,900	23,700	15,600	10,700	13,100	
2003*	6,100	1,300	3,000	3,300	3,000	900	19,600	32,100	900	6,800	5,000	19,700	14,300	20,900	15,600	18,500	12,900	
2004*	5,700	2,600	1,900	3,100	2,900	800	19,500	23,500	1,100	6,400	4,500	20,600	16,900	11,200	15,400	13,200	12,400	
2005*	6,200	2,400	2,300	3,300	3,000	1,000	21,500	28,600	800	6,600	4,500	17,900	18,600	24,800	19,400	12,300	11,200	
2006*	6,400	2,000	2,800	3,800	3,000	500	20,600	25,200	700	5,700	4,100	18,200	16,300	21,900	19,900	13,000	12,500	
2007*	5,500	1,800	2,300	2,700	3,000	900	21,000	29,700	1,000	6,300	3,700	16,900	17,300	21,700	17,400	12,000	12,200	
2008*	5,700	2,900	2,800	3,700	2,700	700	21,500	26,300	1,100	4,400	4,400	16,600	15,500	20,700	22,100	9,000	12,700	
2009*	3,900	2,400	5,200	3,700	2,100	800	21,700	25,200	1,200	7,400	3,600	17,300	17,700	21,500	23,500	24,000	12,200	
2010*	5,600	2,700	2,700	3,000	1,800	1,000	16,600	23,200	1,000	6,500	4,300	18,500	18,400	22,100	20,200	21,900	13,800	
2011*	4,000	2,600	2,800	3,400	1,500	500	17,900	24,200	800	4,200	3,900	17,200	16,600	25,700	20,500	20,200	15,500	
2012*	5,300	2,100	2,500	2,800	1,900	500	18,200	21,300	1,100	7,300	4,100	16,800	15,600	39,400	20,500	16,400	16,300	
2013*	4,400	4,000	3,000	3,300	1,600	900	20,500	20,200	800	7,400	3,500	15,400	14,400	26,400	16,700	17,800	14,400	
2014*	4,100	2,600	2,100	2,200	1,400	400	20,700	17,300	200	5,600	3,100	13,200	16,900	33,700	20,200	16,300	13,600	
2015*	3,300	2,600	2,400	4,000	1,500	700	19,200	19,400	1,000	5,600	3,200	15,100	17,000	31,700	16,300	18,000	13,500	
Averages																		
1999-2000	8,400	1,700	3,100	3,100	3,800	1,000	18,900	31,200	1,100	8,200	4,300	18,200	15,300	30,500	16,300	20,000	10,500	
2001-05	6,200	2,100	2,500	3,200	3,000	900	20,200	30,300	800	6,800	4,600	19,400	17,400	22,100	16,200	13,800	12,400	
2006-10	5,400	2,400	3,200	3,400	2,500	800	20,300	25,900	1,000	6,100	4,000	17,500	17,000	21,600	20,600	16,000	12,700	
2011-15	4,200	2,800	2,600	3,100	1,600	600	19,300	20,500	800	6,000	3,600	15,500	16,100	31,400	18,800	17,700	14,700	

* Preliminary estimates

C:\Data Book\Atlantic\HIP Hunter stats.xls

Sheet: Ducks

Estimates of Days Hunted by Active Duck Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	45,400	11,400	19,100	17,800	32,400	6,900	133,400	156,300	2,200	51,800	36,100	105,400	76,800	149,500	100,500	120,500	83,300	1,148,800
2000	42,200	12,400	17,300	19,400	25,000	7,000	121,800	161,300	5,600	51,500	29,000	107,500	97,500	182,100	112,400	101,700	71,200	1,164,900
2001	34,400	13,300	17,600	18,600	20,100	7,300	128,300	249,400	2,300	44,500	33,100	138,500	90,300	169,600	108,700	106,200	93,100	1,275,500
2002	36,300	19,800	17,200	21,800	18,800	4,700	134,200	178,900	5,300	48,000	35,800	107,300	98,000	159,200	111,400	49,400	103,800	1,149,800
2003*	27,500	10,000	19,600	19,200	16,800	5,800	123,800	158,200	3,900	42,400	37,700	112,400	91,000	138,200	116,800	113,100	70,500	1,106,900
2004*	26,600	17,100	12,400	18,900	16,700	5,400	123,200	138,900	5,200	35,700	32,400	110,900	88,600	74,200	89,300	67,500	75,600	938,400
2005*	26,700	20,200	14,400	20,200	20,700	6,000	134,700	128,600	4,100	42,800	33,000	100,500	98,700	155,300	111,000	77,000	73,400	1,067,300
2006*	28,500	13,800	20,100	22,400	19,100	4,500	128,600	126,000	3,200	39,400	28,100	100,300	91,100	149,400	128,800	76,300	66,800	1,046,200
2007*	30,300	10,600	15,500	17,700	20,100	6,200	139,600	161,000	6,700	45,100	28,200	90,900	94,100	145,400	117,400	67,000	80,500	1,076,300
2008*	30,600	20,500	16,300	21,800	18,300	5,000	127,300	130,000	6,400	32,300	36,500	88,700	88,100	120,700	130,300	61,100	67,300	1,001,300
2009*	25,800	18,500	28,700	19,200	10,900	6,000	130,500	118,200	7,700	55,200	25,100	85,900	91,200	126,800	156,700	122,200	75,600	1,104,100
2010*	26,000	17,300	17,700	15,400	9,500	6,200	102,600	104,800	5,500	41,800	31,200	83,400	113,000	151,800	141,000	120,400	84,800	1,072,400
2011*	21,700	17,400	17,200	24,300	9,300	2,800	119,400	109,400	4,200	26,700	27,500	95,100	89,000	179,700	141,600	124,000	82,000	1,091,400
2012*	28,800	14,200	16,000	15,400	11,900	3,600	112,000	92,100	6,800	47,000	31,000	92,100	86,100	227,800	133,500	98,300	87,600	1,104,200
2013*	28,900	22,400	21,700	18,200	11,600	6,600	117,400	98,500	5,200	48,800	23,400	75,100	83,800	165,000	121,400	95,200	93,100	1,036,100
2014*	18,100	13,200	12,300	12,300	9,100	2,700	120,900	71,700	1,400	35,000	21,500	58,000	80,800	191,100	116,000	84,800	75,200	924,200
2015*	15,300	14,500	13,800	23,100	8,500	5,300	102,400	88,900	5,800	29,800	22,800	65,100	88,700	185,200	99,500	102,200	79,900	950,900
Averages																		
1999-2000	43,800	11,900	18,200	18,600	28,700	7,000	127,600	158,800	3,900	51,700	32,600	106,500	87,200	165,800	106,500	111,100	77,300	1,156,850
2001-05	30,300	16,100	16,200	19,700	18,600	5,800	128,800	170,800	4,200	42,700	34,400	113,900	93,300	139,300	107,400	82,600	83,300	1,107,600
2006-10	28,200	16,100	19,700	19,300	15,600	5,600	125,700	128,000	5,900	42,800	29,800	89,800	95,500	138,800	134,800	89,400	75,000	1,060,100
2011-15	22,600	16,300	16,200	18,700	10,100	4,200	114,400	92,100	4,700	37,500	25,200	77,100	85,700	189,800	122,400	100,900	83,600	1,021,400

* Preliminary estimates

C:\Data Book\Atlantic\HIP Hunter stats.xls

Sheet: Ducks

Estimates of Seasonal Duck Harvest per Active Duck Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	6.4	12.1	4.8	7.0	8.8	7.9	10.0	4.7	3.1	10.3	14.5	10.1	8.8	11.6	8.4	8.3	15.6	
2000	6.0	10.1	4.4	6.9	7.5	9.8	11.3	4.9	6.7	10.1	13.1	10.9	9.5	7.8	11.4	8.6	25.1	
2001	4.7	10.1	4.8	5.7	7.7	6.0	8.4	7.1	4.8	8.4	10.0	8.1	6.5	9.0	10.9	8.0	14.7	
2002	7.3	9.8	6.6	6.8	8.8	9.1	11.2	7.8	9.3	10.4	11.9	10.1	7.8	10.3	10.9	5.6	12.7	
2003*	5.3	12.6	5.4	5.5	8.0	9.9	10.4	3.9	5.2	9.4	12.9	9.1	9.9	9.6	11.8	6.9	8.7	
2004*	5.5	9.3	5.5	6.6	7.2	7.0	9.0	5.9	4.9	8.7	10.2	8.5	7.4	11.7	9.0	6.2	11.9	
2005*	7.2	10.6	5.7	6.4	8.0	6.5	8.7	4.6	4.9	9.3	9.8	7.4	7.1	10.9	8.5	7.9	15.6	
2006*	5.8	9.9	6.6	6.6	6.7	12.0	8.9	4.9	5.5	9.8	10.4	7.6	7.4	11.0	11.1	9.2	13.1	
2007*	7.0	9.2	6.0	7.0	10.0	10.0	10.0	7.0	9.0	11.0	13.0	8.0	8.0	10.0	9.0	9.0	16.0	
2008*	6.6	11.9	5.4	7.0	9.6	7.3	10.3	6.7	6.8	11.0	13.8	9.1	9.3	10.5	8.8	13.7	13.9	
2009*	10.7	10.7	5.1	5.9	6.4	7.7	9.0	5.0	5.9	8.5	12.6	7.4	7.3	9.9	10.6	6.4	14.2	
2010*	5.6	8.5	5.7	5.6	6.1	8.6	10.0	4.9	6.4	10.1	10.7	7.5	9.0	13.6	12.2	10.0	16.6	
2011*	5.0	9.0	5.0	8.0	6.0	4.0	9.0	3.0	8.0	8.0	10.0	7.0	8.0	11.0	11.0	11.0	16.0	
2012*	5.9	9.9	5.8	6.4	7.0	10.6	10.6	4.3	9.1	9.7	11.1	6.7	8.6	10.0	11.5	9.9	15.8	
2013*	7.0	8.0	5.8	4.1	9.3	9.5	10.2	4.8	8.1	9.2	11.7	7.8	9.5	10.6	9.6	6.9	14.8	
2014*	4.8	6.8	5.6	7	7.7	8.2	8.3	4.2	8	8.6	10.4	6.2	7.9	10.7	9.9	7.9	14.1	
2015*	3.7	5.8	4.1	4.5	5.1	7.4	6.7	3.6	6.1	6.7	8.2	4.7						

Estimates of Active Sea Duck Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	1,900	0	100	900	600	200	1,300	0	0	700	400	2,500	1,300	0	0	0	0	
2000	4,000	0	200	900	600	200	700	0	0	500	200	1,900	1,800	0	0	0	0	
2001	2,000	0	200	900	400	300	1,500	0	0	400	200	2,900	2,100	0	0	0	0	
2002	2,500	0	300	700	400	100	1,300	0	0	600	300	2,400	2,100	0	0	0	0	
2003*	2,800	0	300	1,000	1,000	300	1,500	0	0	800	300	3,100	2,600	0	0	0	0	
2004*	2,200	0	100	1,300	800	200	1,700	0	0	700	200	3,400	2,700	0	0	0	0	
2005*	1,200	0	200	1,400	400	400	1,200	0	0	700	200	4,200	2,900	0	0	0	0	
2006*	2,800	0	200	1,200	200	200	1,400	0	0	500	200	4,100	2,400	0	0	0	0	
2007*	1,800	0	200	800	300	300	2,000	0	0	800	300	3,200	2,500	0	0	0	0	
2008*	1,700	0	200	1,400	800	100	1,600	0	0	500	200	3,200	2,000	0	0	0	0	
2009*	1,000	0	500	1,300	500	200	2,000	0	0	600	200	2,600	1,900	0	0	0	0	
2010*	1,200	0	200	1,000	400	200	1,500	0	0	900	100	2,600	1,700	0	0	0	0	
2011*	1,300	0	400	900	300	100	1,200	0	0	600	300	3,100	2,000	0	0	0	0	
2012*	1,100	0	200	900	500	200	1,600	0	0	1,000	200	2,800	1,200	0	0	0	0	
2013*	1,000	0	200	700	600	200	2,000	0	0	1,100	300	2,700	1,000	0	0	0	0	
2014*	600	0	200	900	400	100	1,400	0	0	1,200	200	2,800	1,500	0	0	0	0	
2015*	500	0	200	700	400	100	1,600	0	0	900	200	3,200	1,300	0	0	0	0	
Averages																		
1999-2000	3,000	0	200	900	600	200	1,000	0	0	600	300	2,200	1,600	0	0	0	0	
2001-05	2,100	0	200	1,100	600	300	1,400	0	0	600	200	3,200	2,500	0	0	0	0	
2006-10	1,700	0	260	1,100	400	200	1,700	0	0	700	200	3,100	2,100	0	0	0	0	
2011-15	900	0	200	800	400	100	1,600	0	0	1,000	200	2,900	1,400	0	0	0	0	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Sea ducks

Estimates of Days Hunted by Active Sea Duck Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	6,200	0	300	2,800	2,500	800	6,600	0	0	2,200	600	5,100	2,600	0	0	0	0	29,800
2000	12,900	0	900	2,900	3,400	1,100	4,800	0	0	1,200	300	3,500	5,100	0	0	0	0	36,000
2001	5,500	0	1,100	3,500	1,800	1,300	6,700	0	0	1,300	200	7,500	4,700	0	0	0	0	33,600
2002	13,600	0	800	2,200	1,800	600	7,100	0	0	1,400	800	6,000	4,800	0	0	0	0	38,900
2003*	11,100	0	1,200	3,200	4,700	1,200	5,000	0	0	1,900	900	7,600	6,800	0	0	0	0	43,700
2004*	7,100	0	300	4,200	4,000	900	7,900	0	0	1,800	500	8,300	6,200	0	0	0	0	41,300
2005*	4,000	0	600	4,500	1,600	2,300	4,900	0	0	1,900	400	9,600	7,600	0	0	0	0	37,500
2006*	8,500	0	800	4,700	600	1,000	7,000	0	0	1,000	500	12,100	6,800	0	0	0	0	43,000
2007*	6,200	0	900	3,200	600	1,100	9,300	0	0	1,800	2,300	9,700	7,300	0	0	0	0	42,500
2008*	6,800	0	400	3,900	2,600	600	6,100	0	0	1,800	800	7,300	10,800	0	0	0	0	41,200
2009*	3,700	0	1,400	4,100	1,500	700	9,600	0	0	2,600	400	8,000	4,900	0	0	0	0	36,700
2010*	3,000	0	900	3,500	1,500	1,000	8,000	0	0	2,300	300	5,600	6,000	0	0	0	0	32,000
2011*	3,300	0	1,800	4,700	800	200	4,700	0	0	1,500	700	8,600	5,400	0	0	0	0	31,700
2012*	4,700	0	700	3,000	2,000	500	7,800	0	0	3,200	500	5,800	3,500	0	0	0	0	31,900
2013*	3,500	0	800	1,700	2,100	1,100	8,600	0	0	3,300	800	7,100	2,100	0	0	0	0	31,200
2014*	1,400	0	700	2,100	2,400	400	8,600	0	0	2,200	1,000	5,900	3,500	0	0	0	0	28,200
2015*	900	0	700	2,400	1,700	400	6,100	0	0	3,100	1,200	6,700	3,200	0	0	0	0	26,300
Averages																		
1999-2000	9,600	0	600	2,900	3,000	1,000	5,700	0	0	1,700	500	4,300	3,900	0	0	0	0	32,900
2001-05	8,300	0	800	3,500	2,800	1,300	6,300	0	0	1,700	600	7,800	6,000	0	0	0	0	39,000
2006-10	5,600	0	900	3,900	1,400	900	8,000	0	0	1,900	900	8,500	7,200	0	0	0	0	39,100
2011-15	2,800	0	900	2,800	1,800	500	7,200	0	0	2,700	800	6,800	3,500	0	0	0	0	29,900

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Sea ducks

Estimates of Seasonal Sea Duck Harvest per Active Sea Duck Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	8.1	0.0	6.2	5.7	4.9	8.0	2.8	0.0	0.0	3.4	3.2	4.9	2.9	0.0	0.0	0.0	0.0	0.0
2000	8.4	0.0	6.2	8.1	4.1	6.3	4.3	0.0	0.0	5.0	3.8	5.3	2.2	0.0	0.0	0.0	0.0	0.0
2001	7.4	0.0	6.8	8.6	5.0	7.7	5.4	0.0	0.0	5.7	2.5	5.8	3.2	0.0	0.0	0.0	0.0	0.0
2002	6.5	0.0	6.1	5.7	7.2	7.5	6.4	0.0	0.0	4.6	4.7	5.5	3.8	0.0	0.0	0.0	0.0	0.0
2003*	16.5	0.0	8.8	6.7	4.4	9.3	5.0	0.0	0.0	4.3	2.4	6.1	4.6	0.0	0.0	0.0	0.0	0.0
2004*	9.6	0.0	2.3	7.6	8.2	8.1	6.4	0.0	0.0	4.3	3.6	6.0	4.2	0.0	0.0	0.0	0.0	0.0
2005*	11.3	0.0	4.0	8.6	4.7	12.1	6.8	0.0	0.0	5.6	4.8	4.9	2.7	0.0	0.0	0.0	0.0	0.0
2006*	8.0	0.0	4.7	7.5	1.5	11.8	6.3	0.0	0.0	3.5	5.0	6.7	4.6	0.0	0.0	0.0	0.0	0.0
2007*	9.0	0.0	6.0	7.0	4.0	7.0	7.0	0.0	0.0	5.0	8.0	6.0	4.0	0.0	0.0	0.0	0.0	0.0
2008*	11.6	0.0	5.2	6.8	3.9	6.8	6.6	0.0	0.0	4.3	7.6	5.2	6.1	0.0	0.0	0.0	0.0	0.0
2009*	5.9	0.0	2.9	7.4	6.0	8.8	7.2	0.0	0.0	5.1	7.0	6.1	3.5	0.0	0.0	0.0	0.0	0.0
2010*	6.5	0.0	11.3	7.6	6.7	5.3	9.6	0.0	0.0	4.3	6.9	3.6	3.1	0.0	0.0	0.0	0.0	0.0
2011*	8.0	0.0	15.0	8.0	6.0	5.0	6.0	0.0	0.0	3.0	3.0	6.0	5.0	0.0	0.0	0.0	0.0	0.0
2012*	7.7	0.0	7.1	7.6	6.7	3.3	10.1	0.0	0.0	7.4	4.2	3.9	5.0	0.0	0.0	0.0	0.0	0.0
2013*	4.9	0.0	9.0	5.6	7.4	4.0	6.7	0.0	0.0	4.7	4.4	5.2	3.0	0.0	0.0	0.0	0.0	0.0
2014*	3	0.0	6.9	6.3	7.4	8.4	7.8	0.0	0.0	3.7	3.2	4.8	5.8	0.0	0.0	0.0	0.0	0.0
2015*	3.1	0.0	4.8	6.3	9.8	5.4	4.3	0.0	0.0	7.3	5.1	5.7	5.5	0.0	0.0	0.0	0.0	0.0
Averages																		
1999-2000	8.3	0.0	6.2	6.9	4.5	7.2	3.6	0.0	0.0	4.2	3.5	5.1	2.6	0.0	0.0	0.0	0.0	0.0
2001-05	10.3	0.0	5.6	7.4	5.9	8.9	6.0	0.0	0.0	4.9	3.6	5.7	3.7	0.0	0.0	0.0	0.0	0.0
2006-10	8.2	0.0	6.0	7.3	4.4	7.9	7.3	0.0	0.0	4.4	6.9	5.5	4.3	0.0	0.0	0.0	0.0	0.0
2011-15	5.4	0.0	8.6	6.8	7.5	5.2	7.0	0.0	0.0	5.2	4.0	5.1	4.9	0.0	0.0	0.0	0.0	0.0

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Sea ducks

Estimates of Active Goose Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	3,300	2,000	2,100	2,100	3,900	800	16,700	38,600	700	4,600	2,400	5,600	9,100	10,500	6,000	10,300	600	
2000	4,500	2,000	2,500	2,000	3,400	700	14,700	33,700	1,000	4,600	3,100	6,200	14,700	13,400	5,200	8,900	0	
2001	4,100	2,100	1,800	2,300	2,900	800	15,700	45,400	1,100	4,400	4,800	28,600	16,700	16,500	4,800	11,200	800	
2002	3,800	2,200	2,200	2,300	3,000	600	15,500	47,000	800	4,500	4,500	21,800	16,800	16,000	9,800	8,700	200	
2003*	4,700	1,700	2,100	2,400	2,800	900	15,700	41,300	900	4,500	4,700	23,400	12,700	14,000	6,800	12,000	1,000	
2004*	3,900	2,200	1,400	2,400	3,000	800	16,900	32,500	1,100	3,900	4,300	24,600	12,900	6,600	6,500	6,600	200	
2005*	3,400	2,200	1,900	2,300	2,900	900	17,500	37,000	500	4,000	4,300	25,600	14,500	19,800	8,000	8,500	100	
2006*	4,000	1,800	2,200	2,400	2,400	600	17,200	34,100	600	3,700	3,600	23,400	13,800	15,200	8,700	6,200	400	
2007*	4,600	1,800	2,000	2,100	2,100	900	17,700	37,500	1,100	4,800	4,100	26,500	15,200	15,700	8,300	6,100	700	
2008*	3,700	2,600	2,400	2,700	2,400	600	19,300	37,800	900	3,400	3,900	28,200	15,200	12,700	7,900	7,800	300	
2009*	1,600	2,100	4,400	2,700	1,600	600	19,000	30,500	1,100	5,900	4,000	24,200	15,600	11,500	7,700	11,700	1,100	
2010*	3,500	2,000	2,100	2,200	1,600	900	14,400	28,100	1,000	5,100	4,300	26,600	16,400	12,300	7,300	8,800	800	
2011*	1,900	1,900	2,100	3,100	1,800	500	15,600	27,900	600	2,400	3,400	25,000	13,100	15,300	7,300	10,500	500	
2012*	2,900	1,700	1,900	2,300	1,300	400	16,200	26,300	1,000	4,900	3,500	26,300	13,400	17,100	5,900	5,000	800	
2013*	3,000	2,600	2,100	2,400	1,600	800	17,400	21,800	800	6,500	3,500	21,800	13,500	14,000	5,500	8,300	900	
2014*	3,200	2,000	1,600	1,900	1,400	400	17,000	20,900	300	4,000	2,900	19,800	12,200	16,000	11,000	15,300	1,800	
2015*	1,900	2,200	1,500	3,300	1,100	500	16,800	22,600	1,000	3,600	3,200	22,000	11,300	18,600	5,000	15,300	1,200	
Averages																		
1999-2000	3,900	2,000	2,300	2,100	3,700	800	15,700	36,200	900	4,600	2,800	5,900	11,900	12,000	5,600	9,600	300	
2001-05	4,000	2,100	1,900	2,300	2,900	800	16,300	40,600	900	4,300	4,500	24,800	14,700	14,600	7,200	9,400	500	
2006-10	3,480	2,060	2,620	2,400	2,000	700	17,500	33,600	900	4,600	4,000	25,800	15,200	13,500	7,980	8,120	660	
2011-15	2,600	2,100	1,800	2,600	1,400	500	16,600	23,900	700	4,300	3,000	23,000	12,700	16,200	6,900	10,900	1,000	

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese

Estimates of Days Hunted by Active Goose Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	11,000	9,400	12,000	14,000	19,900	3,900	86,700	195,700	2,400	21,300	13,000	16,500	33,800	30,600	17,000	28,300	1,000	516,300
2000	19,000	9,600	12,600	9,700	20,000	3,900	75,100	165,200	5,100	24,800	14,000	27,300	56,300	30,300	17,700	29,300	0	519,800
2001	17,800	9,400	8,800	13,200	17,700	5,400	85,900	273,100	5,000	22,900	28,100	187,500	75,700	55,100	20,300	47,700	1,500	875,000
2002	18,600	8,100	13,600	14,100	19,000	4,300	97,600	258,100	5,800	25,400	28,900	141,300	75,600	58,800	41,600	43,500	400	854,700
2003*	14,000	10,000	13,800	14,900	15,300	5,400	94,500	260,900	5,200	23,200	25,600	149,000	69,200	55,300	23,600	47,600	3,300	830,800
2004*	14,700	11,300	7,800	14,300	17,500	5,300	95,000	180,800	7,100	19,500	28,700	136,300	63,400	17,000	20,300	32,000	1,100	672,100
2005*	15,100	13,300	12,600	14,000	17,000	4,700	104,400	189,800	3,400	20,500	25,900	143,900	70,400	81,700	32,900	46,500	300	796,300
2006*	16,800	8,200	16,400	14,100	14,300	4,500	95,400	168,300	2,900	21,600	22,200	135,500	63,500	51,400	41,200	14,400	800	691,500
2007*	17,100	6,900	10,700	13,200	14,400	5,300	106,100	244,800	6,700	29,000	25,400	131,900	70,100	62,300	27,800	28,000	1,700	801,600
2008*	17,300	13,700	12,200	14,100	17,700	4,200	114,700	204,500	5,400	19,900	29,600	160,200	78,800	47,600	29,800	26,800	600	797,200
2009*	8,700	14,000	23,800	15,500	7,700	4,000	113,600	167,500	6,700	34,900	27,200	136,800	68,600	51,400	47,300	72,900	4,000	804,500
2010*	13,900	9,300	12,700	14,600	7,800	5,000	85,000	127,100	5,800	29,200	30,000	152,300	77,100	52,500	20,600	38,900	7,100	688,900
2011*	8,000	8,300	14,600	20,200	11,600	3,300	101,000	130,500	3,600	11,200	19,500	131,200	75,100	44,700	24,200	49,000	900	657,000
2012*	14,200	9,100	11,700	13,000	7,000	2,100	94,500	119,500	5,800	26,400	22,000	166,900	65,300	80,800	28,700	24,600	4,100	695,500
2013*	14,000	12,500	11,500	10,200	8,200	4,900	101,300	114,200	3,700	35,000	22,300	130,000	58,900	56,600	38,700	28,000	1,700	651,700
2014*	12,300	9,500	9,500	9,900	8,500	3,900	89,800	102,300	1,700	16,800	18,500	99,800	57,900	50,600	42,500	72,100	6,400	611,900
2015*	8,400	10,600	9,600	18,100	5,400	4,400	96,500	95,000	5,100	16,300	20,700	108,700	60,800	46,300	23,400	68,600	3,000	601,000
Averages																		
1999-2000	15,000	9,500	12,300	11,900	20,000	3,900	80,900	180,500	3,800	23,100	13,500	21,900	45,100	30,500	17,400	28,800	500	518,100
2001-05	16,000	10,400	11,300	14,100	17,300	5,000	95,500	232,500	5,300	22,300	27,400	151,600	70,900	53,600	27,700	43,500	1,300	805,800
2006-10	14,800	10,400	15,200	14,300	12,400	4,600	103,000	182,400	5,500	26,900	26,900	143,300	71,600	53,000	33,300	36,200	2,800	756,700
2011-15	11,400	10,000	11,400	14,300	8,100	3,700	96,600	112,300	4,000	21,100	20,600	127,300	63,600	55,800	31,500	48,500	3,200	643,400

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese

Estimates of Seasonal Goose Harvest per Active Goose Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	1.0	2.4	2.1	5.7	5.2	4.3	4.9	4.1	8.2	5.1	13.0	6.5	4.0	3.2	1.6	1.2	2.0	
2000	2.5	4.1	2.1	5.7	5.9	4.8	6.2	3.6	3.5	7.4	12.1	6.6	3.3	2.2	2.1	1.4	0.0	
2001	1.3	3.2	2.2	5.0	6.1	4.8	6.1	5.0	4.7	6.7	6.5	6.6	3.3	2.8	3.3	2.3	1.5	
2002	2.8	3.5	2.8	5.5	7.2	5.8	7.2	4.6	6.3	7.9	7.9	5.8	4.1	2.4	2.8	2.4	1.0	
2003*	2.1	4.3	2.6	5.3	6.7	5.6	6.4	4.7	4.7	6.8	5.1	5.9	5.0	3.1	2.2	2.1	3.6	
2004*	1.8	4.0	2.2	6.2	6.9	5.7	6.8	5.3	6.8	7.1	6.1	6.0	4.3	2.8	2.6	3.2	1.5	
2005*	2.3	4.4	2.8	5.6	7.2	3.6	7.4	5.1	7.1	7.0	6.0	6.9	4.2	3.8	3.4	4.1	0.0	
2006*	2.5	4.4	3.1	5.4	5.8	9.3	7.0	5.0	4.0	8.8	5.5	6.6	3.5	2.8	3.1	2.4	6.7	
2007*	2.0	4.0	3.0	5.0	9.0	6.0	8.0	8.0	6.0	9.0	7.0	7.0	4.0	4.0	3.0	4.0	2.0	
2008*	3.7	5.6	2.9	5.0	9.5	7.0	8.8	6.4	5.0	10.4	11.2	8.1	4.9	3.7	3.1	4.1	0.0	
2009*	3.0	5.7	2.6	6.2	5.6	4.6	9.2	5.5	6.6	8.2	9.8	6.9	4.1	4.4	4.2	6.5	2.3	
2010*	2.7	4.9	2.7	5.6	5.6	4.8	9.2	5.5	6.2	11.2	8.7	7.7	4.4	4.4	2.6	2.7	2.8	
2011*	2.0	5.0	4.0	5.0	5.0	6.0	8.0	3.0	6.0	7.0	5.0	5.0	5.0	2.0	2.0	3.0	1.0	
2012*	3.3	5.3	2.6	4.6	6.1	3.9	8.5	4.4	6.0	8.3	6.1	7.2	3.9	4.3	6.8	3.2	1.8	
2013*	2.9	3.7	2.8	3.0	5.5	6.2	8.1	5.0	6.1	8.2	7.7	7.5	4.3	4.0	3.1	3.9	1.8	
2014*	2.8	6.2	3.5	3.9	8.3	12.4	8.3	5.2	8.1	7.9	6.5	6.1	3.8	2.7	3.3	3.4	3.2	
2015*	3.81	3.09	2.76	2.93	5.21	7.22	6.13	3.38	3.8	4.46	4.27	4.81	3.6	2	3.87	3.7	0.73	
Averages																		
1999-2000	1.8	3.3	2.1	5.7	5.6	4.6	5.6	3.9	5.9	6.3	12.6	6.6	3.7	2.7	1.9	1.3	1.0	
2001-05	2.1	3.9	2.5	5.5	6.8	5.1	6.8	4.9	5.9	7.1	6.3	6.2	4.2	3.0	2.9	2.8	1.5	
2006-10	2.8	4.9	2.9	5.4	7.1	6.3	8.4	6.1</										

Estimates of Active Brant Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	0	0	0	200	100	100	1,000	0	0	1,700	300	100	1,000	2,300	0	0	0	0
2000	0	0	0	300	200	100	1,500	0	0	1,500	300	300	2,300	2,800	0	0	0	0
2001	0	0	0	400	200	200	1,400	0	0	1,700	100	200	1,700	1,200	0	0	0	0
2002	0	0	0	300	300	100	1,700	0	0	1,700	400	400	1,800	1,400	0	0	0	0
2003*	0	0	100	300	800	300	1,900	0	0	1,900	500	500	2,300	1,600	0	0	0	0
2004*	0	0	20	300	300	100	1,400	0	0	1,600	200	300	1,400	400	0	0	0	0
2005*	0	0	0	400	300	200	1,400	0	0	2,100	300	600	2,400	2,700	0	0	0	0
2006*	0	0	0	300	100	100	1,300	0	0	1,400	300	500	1,400	1,800	0	0	0	0
2007*	0	0	60	400	100	300	1,600	0	0	1,500	300	300	1,500	2,400	0	0	0	0
2008*	0	0	100	600	100	300	1,500	0	0	1,500	400	400	2,100	1,300	0	0	0	0
2009*	0	0	90	200	200	200	1,500	0	0	2,200	400	500	1,200	2,400	0	0	0	0
2010*	0	0	3	200	70	200	1,100	0	0	1,900	200	300	1,200	1,800	0	0	0	0
2011*	0	0	100	400	100	100	1,400	0	0	800	100	200	400	2,500	0	0	0	0
2012*	0	0	0	400	200	100	1,900	0	0	2,000	200	500	800	700	0	0	0	0
2013*	0	0	100	100	100	100	1,500	0	0	1,100	100	100	700	600	0	0	0	0
2014*	0	0	0	300	100	0	1,300	0	0	800	0	100	500	1,400	0	0	0	0
2015*	0	0	0	300	100	100	1,100	0	0	500	100	100	100	700	0	0	0	0
Averages																		
1999-2000	0	0	0	300	200	100	1,300	0	0	1,600	300	200	1,700	2,600	0	0	0	0
2001-05	0	0	20	300	400	200	1,600	0	0	1,800	300	400	1,900	1,500	0	0	0	0
2006-10	0	0	50	300	100	200	1,400	0	0	1,700	300	400	1,500	1,900	0	0	0	0
2011-15	0	0	0	300	100	100	1,400	0	0	1,000	100	200	500	1,200	0	0	0	0

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese

Estimates of Days Hunted by Active Brant Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	0	0	0	400	200	400	5,200	0	0	6,300	1,100	500	1,900	3,400	0	0	0	19,400
2000	0	0	0	1,000	700	600	12,400	0	0	4,800	1,300	600	5,900	5,400	0	0	0	32,600
2001	0	0	0	1,200	400	700	10,600	0	0	6,100	400	700	4,900	9,600	0	0	0	34,600
2002	0	0	0	700	1,000	500	9,700	0	0	6,800	1,000	2,300	5,200	6,300	0	0	0	33,400
2003*	0	0	500	1,200	2,400	2,000	11,000	0	0	7,000	1,300	1,600	8,800	3,500	0	0	0	39,400
2004*	0	0	100	900	1,800	800	5,400	0	0	6,100	1,000	3,500	4,800	700	0	0	0	25,100
2005*	0	0	0	1,300	1,500	800	6,700	0	0	6,800	900	2,000	5,300	7,100	0	0	0	32,200
2006*	0	0	0	800	600	500	5,100	0	0	4,500	900	2,000	3,800	4,000	0	0	0	22,100
2007*	0	0	300	1,300	100	1,300	6,300	0	0	7,700	1,400	1,300	4,800	6,700	0	0	0	31,300
2008*	0	0	100	1,600	500	1,500	8,200	0	0	5,600	1,000	1,000	5,300	3,200	0	0	0	28,000
2009*	0	0	600	1,200	1,400	900	9,500	0	0	10,600	800	2,700	2,700	10,600	0	0	0	41,000
2010*	0	0	0	700	100	900	7,300	0	0	5,400	400	1,200	3,400	7,100	0	0	0	26,400
2011*	0	0	900	2,600	300	400	8,900	0	0	3,100	100	1,500	900	4,700	0	0	0	23,500
2012*	0	0	100	1,100	200	600	7,600	0	0	6,900	900	1,400	2,100	3,400	0	0	0	24,200
2013*	0	0	300	300	900	500	4,900	0	0	4,400	400	100	1,200	2,600	0	0	0	15,500
2014*	0	0	0	600	700	100	4,400	0	0	1,700	0	200	1,200	2,300	0	0	0	11,100
2015*	0	0	0	900	500	400	3,400	0	0	1,200	400	100	200	3,800	0	0	0	10,900
Averages																		
1999-2000	0	0	0	700	500	500	8,800	0	0	5,600	1,200	600	3,900	4,400	0	0	0	26,000
2001-05	0	0	100	1,100	1,400	1,000	8,700	0	0	6,600	900	2,000	5,800	5,400	0	0	0	32,900
2006-10	0	0	200	1,100	500	1,000	7,300	0	0	6,800	900	1,600	4,000	6,300	0	0	0	29,800
2011-15	0	0	300	1,100	500	400	5,800	0	0	3,500	400	700	1,100	3,400	0	0	0	17,000

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese

Estimates of Seasonal Brant Harvest per Active Brant Hunters in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
1999	0.0	0.0	0.0	0.9	0.0	2.3	2.8	0.0	0.0	3.9	5.1	1.8	1.8	2.2	0.0	0.0	0.0	0.0
2000	0.0	0.0	0.0	2.4	1.7	3.1	4.5	0.0	0.0	4.0	5.2	0.4	3.4	0.5	0.0	0.0	0.0	0.0
2001	0.0	0.0	0.0	2.1	1.9	2.7	4.6	0.0	0.0	4.0	2.5	3.3	2.0	3.9	0.0	0.0	0.0	0.0
2002	0.0	0.0	0.0	2.8	2.8	4.2	4.3	0.0	0.0	5.9	4.1	1.6	3.2	4.4	0.0	0.0	0.0	0.0
2003*	0.0	0.0	1.1	4.8	3.4	3.8	5.3	0.0	0.0	5.3	3.4	3.5	4.0	4.0	0.0	0.0	0.0	0.0
2004*	0.0	0.0	1.7	1.0	3.1	2.3	2.7	0.0	0.0	3.1	2.4	2.3	2.1	2.0	0.0	0.0	0.0	0.0
2005*	0.0	0.0	0.0	1.4	2.6	3.0	3.3	0.0	0.0	4.0	4.3	2.9	2.5	2.3	0.0	0.0	0.0	0.0
2006*	0.0	0.0	0.0	1.5	0.0	3.5	2.7	0.0	0.0	3.8	2.6	4.8	1.8	1.9	0.0	0.0	0.0	0.0
2007*	0.0	0.0	1.3	2.0	2.0	3.0	3.0	0.0	0.0	5.0	3.0	3.0	1.0	2.0	0.0	0.0	0.0	0.0
2008*	0.0	0.0	0.8	1.8	2.5	4.7	5.0	0.0	0.0	5.1	4.0	4.4	2.6	2.9	0.0	0.0	0.0	0.0
2009*	0.0	0.0	0.0	2.0	2.0	3.5	4.8	0.0	0.0	3.8	2.7	4.3	2.8	4.7	0.0	0.0	0.0	0.0
2010*	0.0	0.0	2.0	1.9	2.0	2.8	4.6	0.0	0.0	3.1	0.9	4.5	1.9	0.7	0.0	0.0	0.0	0.0
2011*	0.0	0.0	1.0	1.0	2.0	3.0	3.0	0.0	0.0	3.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
2012*	0.0	0.0	0.0	2.4	1.3	2.7	4.8	0.0	0.0	4.5	2.6	2.2	2.4	5.3	0.0	0.0	0.0	0.0
2013*	0.0	0.0	0.0	1.3	0.0	3.5	2.8	0.0	0.0	4.3	3.3	1.2	1.8	1.4	0.0	0.0	0.0	0.0
2014*	0.0	0.0	1.0	2.0	3.0	2.0	2.4	0.0	0.0	1.8	1.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0
2015*	0	0	0	0.79	1	1.92	1.77	0	0	1.16	1.2	0.3	0	3.29	0	0	0	0
Averages																		
1999-2000	0.0	0.0	0.0	1.7	0.9	2.7	3.7	0.0	0.0	4.0	5.2	1.1	2.6	1.4	0.0	0.0	0.0	0.0
2001-05	0.0	0.0	0.6	2.4	2.8	3.2	4.0	0.0	0.0	4.5	3.3	2.7	2.8	3.3	0.0	0.0	0.0	0.0
2006-10	0.0	0.0	0.8	1.8	1.7	3.5	4.0	0.0	0.0	4.2	2.6	4.2	2.0	2.4	0.0	0.0	0.0	0.0
2011-15	0.0	0.0	0.4	1.5	1.5	2.6	2.9	0.0	0.0	2.9	1.8	0.9	1.2	2.3	0.0	0.0	0.0	0.0

* Preliminary estimates C:\Data Book\Atlantic\HIP Hunter stats.xls Sheet: Geese

Estimates of Regular-Season All-duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.	
1999	69,300	20,000	15,600	25,500	40,200	10,300	204,200	144,600	3,200	88,600	59,000	190,600	138,000	307,500	139,600	170,200	202,500	1,829,000	7,599,864	2,895,518	3,127,306	15,451,666	
2000	85,300	17,300	14,500	29,800	28,400	10,500	203,300	157,500	6,900	82,200	51,900	199,100	146,800	262,200	178,900	160,500	156,700	1,791,900	7,610,595	3,035,886	2,711,332	15,149,688	
2001	47,400	17,500	15,600	26,300	26,400	8,500	176,500	250,800	3,000	61,900	42,600	182,800	123,700	284,700	164,000	109,400	173,500	1,694,600	6,410,705	3,007,314	2,392,193	13,504,436	
2002	60,400	25,900	19,300	24,700	26,900	7,100	238,000	250,400	6,300	79,000	56,700	185,600	158,300	242,400	169,400	57,900	153,800	1,760,100	5,681,073	2,518,456	2,210,500	12,170,112	
2003*	78,300	16,300	18,700	24,900	28,200	11,200	211,500	124,300	4,800	66,900	62,800	195,700	152,500	199,000	182,700	124,400	106,000	1,608,100	6,171,914	2,329,509	2,504,383	12,613,934	
2004*	51,800	24,300	11,000	30,100	27,400	7,400	185,700	138,100	5,600	58,400	45,400	194,200	138,400	130,500	137,000	79,800	144,600	1,407,700	5,353,315	2,560,563	2,720,550	12,042,096	
2005*	58,600	25,400	14,300	33,300	26,000	11,000	194,700	132,300	4,000	65,000	44,300	151,100	138,300	270,600	163,200	93,800	165,100	1,591,000	5,150,355	2,596,822	2,903,655	12,241,803	
2006*	59,400	19,600	19,400	34,600	20,200	8,500	191,800	123,400	3,600	57,300	41,600	163,300	130,800	237,900	219,600	112,900	154,000	1,597,800	5,929,965	2,234,415	3,479,961	13,242,171	
2007*	54,100	16,700	14,900	23,700	32,000	11,200	228,600	195,400	8,600	73,200	50,100	145,700	149,900	217,700	152,200	96,600	188,000	1,658,600	6,266,703	2,397,101	3,518,554	13,940,919	
2008*	57,300	34,800	16,000	35,400	29,100	6,400	233,000	176,600	7,400	50,700	60,600	165,000	154,900	217,600	192,000	122,700	174,100	1,733,700	6,280,232	1,963,843	3,355,452	13,332,785	
2009*	48,000	25,500	27,700	30,800	16,300	7,700	206,900	125,900	6,900	66,300	46,800	144,900	135,600	213,700	249,400	154,500	173,900	1,680,800	5,843,913	2,288,093	2,862,080	12,652,004	
2010*	39,100	22,900	17,300	24,200	13,600	9,700	179,900	114,200	6,700	69,200	44,900	146,300	169,800	300,100	237,500	218,600	209,200	1,823,300	7,329,953	2,065,513	3,042,823	14,353,375	
2011*	31,300	22,900	20,200	36,000	10,300	1,900	173,900	81,500	6,200	35,800	40,800	119,600	140,900	271,900	216,400	220,100	235,100	1,664,800	7,580,310	2,737,134	3,288,945	15,233,557	
2012*	39,900	20,500	15,900	24,300	16,900	5,400	208,900	91,800	10,300	78,300	50,100	123,100	142,200	397,500	241,600	169,600	267,400	1,903,600	6,918,156	2,732,819	3,289,189	14,781,160	
2013*	36,000	31,900	19,100	17,400	19,200	9,600	222,600	97,700	6,800	73,000	40,700	133,200	139,500	277,500	159,600	113,500	203,200	1,600,600	6,447,738	2,589,757	2,429,089	13,067,154	
2014*	21,600	17,800	13,300	20,900	13,500	4,200	182,900	72,800	1,800	52,500	98,800	94,800	141,300	358,700	197,900	122,400	178,300	1,593,600	6,048,297	2,574,378	2,508,808	12,732,652	
2015*	13,600	14,700	9,600	22,200	11,600	6,000	136,100	69,400	5,800	43,800	27,100	88,500	119,300	309,200	136,100	116,600	170,600	1,300,300	4,710,200	2,019,400	2,574,300	10,464,200	
Averages																							
1999-2000	77,300	18,700	15,100	27,700	34,300	10,400	203,800	151,100	5,100	85,400	55,500	194,900	142,400	284,900	159,300	165,400	179,600	1,810,500	7,605,200	2,965,700	2,919,300	15,300,700	
2001-05	59,300	21,900	15,800	27,900	27,000	9,000	201,300	179,200	4,700	66,200	50,400	181,900	144,400	221,400	163,300	93,100	148,600	1,612,300	5,753,500	2,602,500	2,546,300	12,514,500	
2006-10	51,600	23,900	19,100	29,700	22,200	8,700	208,000	147,100	6,600	63,300	48,800	153,000	148,200	237,400	210,100	141,100	179,800	1,698,800	6,350,200	2,189,800	3,251,800	13,504,300	
2011-15	28,500	21,600	15,600	24,200	14,300	5,400	184,900	82,600	6,200	56,700	51,500	111,800	136,600	323,000	190,300	148,400	210,900	1,612,600	6,312,900	2,530,700	2,818,100	13,255,700	

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HP Ducks.xls Sheet: TOTDU-MALL-MBDH

Estimates of Mallard Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.	
1999	11,100	6,500	6,800	7,900	17,300	2,300	87,900	69,900	1,400	23,400	10,300	51,000	49,500	38,500	34,100	25,700	700	444,100	3,136,856	995,528	1,318,473	5,894,928	
2000	11,000	8,300	6,300	9,900	12,000	3,600	100,100	86,900	2,700	27,000	12,800	72,200	55,900	63,500	29,500	20,900	500	523,000	3,272,671	1,035,988	1,237,479	6,069,106	
2001	8,200	9,200	5,900	6,700	11,800	1,400	81,700	127,000	1,500	16,100	15,200	69,500	43,300	39,900	21,400	12,300	1,500	472,700	2,796,046	1,178,357	1,031,568	5,478,655	
2002	13,700	14,100	7,400	9,300	13,600	1,000	108,500	125,700	3,300	20,900	19,900	62,800	59,600	44,300	23,600	10,500	700	538,800	2,374,275	1,013,649	906,787	4,833,558	
2003*	12,000	6,800	7,000	7,400	11,700	2,100	88,900	60,300	2,500	13,700	21,500	77,400	43,000	25,300	32,500	15,000	100	427,300	2,482,379	962,111	1,058,281	4,930,071	
2004*	12,200	10,900	5,200	9,200	11,900	1,400	85,400	71,600	3,100	15,800	21,100	69,800	41,000	30,500	22,500	10,200	300	422,000	2,199,930	969,435	940,160	4,531,530	
2005*	16,900	10,700	5,900	10,700	13,900	2,200	79,600	66,500	1,400	20,100	18,500	50,700	53,500	63,000	24,800	5,000	800	444,300	2,049,383	868,144	1,105,095	4,966,927	
2006*	12,200	8,000	6,200	10,300	10,100	2,100	83,400	65,500	1,500	15,800	13,700	54,300	39,900	32,500	35,900	6,000	1,700	399,700	2,286,251	709,952	1,272,165	4,668,019	
2007*	12,700	7,600	6,000	7,200	15,700	2,600	92,000	92,300	4,200	20,300	16,200	41,200	47,500	32,900	26,800	3,200	1,400	429,900	2,514,118	806,699	1,127,524	4,878,259	
2008*	11,300	17,100	4,600	11,400	13,200	1,600	114,400	94,200	4,500	14,400	22,600	61,600	58,600	39,700	25,200	8,900	300	503,500	2,281,762	676,787	1,092,094	4,534,612	
2009*	12,700	10,100	11,200	8,500	6,300	1,500	91,300	56,300	3,800	20,300	18,000	49,600	39,200	36,800	34,500	19,100	300	419,500	2,075,916	721,474	917,944	4,134,612	
2010*	8,400	7,000	5,900	5,900	5,200	2,200	73,400	50,700	4,000	18,400	15,100	36,600	60,000	33,000	33,600	34,300	800	394,400	2,228,872	603,214	906,964	4,166,013	
2011*	7,400	9,600	4,900	9,900	3,900	500	70,300	40,900	3,100	5,700	11,200	32,500	34,900	36,500	24,800	18,500	1,200	315,900	2,240,248	773,210	1,079,618	4,408,974	
2012*	14,000	9,800	4,800	5,100	6,700	600	86,100	37,900	6,100	12,300	10,700	24,500	25,300	43,100	19,800	18,000	1,400	326,300	1,882,553	763,143	964,088	3,934,498	
2013*	9,200	12,700	5,800	5,000	6,800	1,500	91,500	38,500	3,800	15,500	10,800	35,100	33,200	24,400	18,100	14,100	1,200	328,000	1,836,788	740,084	732,483	3,637,385	
2014*	10,200	8,300	3,900	5,500	5,300	500	78,200	28,700	1,000	10,000	12,000	30,600	41,300	34,800	18,100	6,900	500	294,100	1,992,450	813,473	803,447	3,933,432	
2015*	4,200	5,700	3,600	4,900	2,600	1,300	50,700	28,900	2,900	9,200	7,900	27,900	37,200	34,800	19,200	8,600	500	250,100	1,695,600	714,400	773,200	3,433,300	
Averages																							
1999-2000	11,050	7,400	6,550	8,900	14,650	2,950	94,000	78,400	2,050	25,200	11,550	61,600	52,700	51,000	31,800	23,300	600	483,600	3,204,800	1,015,800	1,278,000	5,982,000	
2001-05	12,600	10,340	6,280	8,660	12,580	1,620	88,820	90,220	2,360	17,320	19,240	66,040	48,080	40,600	24,960	10,600	700	461,000	2,380,400	998,300	1,008,400	4,848,100	
2006-10	11,500	10,000	6,800	8,700	10,100	2,000	90,900	71,800	3,600	17,800	17,100	48,700	49,000	35,000	31,200	14,400	900	429,400	2,277,400	703,600	1,063,300	4,480,200	
2011-15	9,000	9,200	4,600	6,100	5,100	900	75,400	35,000	3,400	10,500	10,500	30,100	34,400	34,600	20,000	13,200	1,000	302,900	1,929,500	760,900	870,600	3,863,500	

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HP Ducks.xls Sheet: TOTDU-MALL-MBDH

Estimates of Mallard X Black Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA
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Estimates of Black Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	11,900	1,900	1,700	4,000	5,700	2,200	18,600	7,100	0	16,500	4,500	8,500	10,300	6,000	1,400	1,600	100	102,000	57,682	-	-	159,679
2000	9,100	2,100	2,400	5,300	3,800	2,100	23,400	9,600	700	13,100	7,200	18,100	10,700	6,200	1,700	600	100	116,100	58,371	-	-	174,467
2001	6,200	1,900	1,700	4,000	3,200	1,000	18,200	13,900	100	13,600	3,200	14,000	9,100	3,500	1,900	200	100	95,900	31,816	-	-	127,705
2002	8,400	3,100	2,500	4,400	2,600	900	26,400	15,300	500	12,700	6,300	20,800	15,200	4,800	1,300	200	100	125,500	47,796	-	-	173,723
2003*	5,000	1,800	2,600	2,700	4,500	1,200	20,000	7,000	400	12,800	5,700	16,800	9,700	4,900	500	500	0	95,100	33,150	-	-	128,392
2004*	5,800	1,900	1,100	1,800	3,100	1,100	15,400	5,600	600	8,200	4,200	16,000	7,100	2,400	700	0	0	74,900	35,692	-	-	110,612
2005*	7,600	2,300	1,600	3,100	3,600	1,500	23,700	7,100	200	11,000	5,400	11,400	9,300	4,300	1,000	300	0	93,400	36,365	-	-	129,886
2006*	5,400	1,500	1,900	4,700	3,000	1,500	21,000	8,000	200	12,100	6,300	14,000	7,200	5,500	1,100	0	0	93,400	35,840	-	-	129,197
2007*	5,000	1,200	1,500	3,900	3,400	2,300	22,700	12,100	600	12,800	5,800	10,500	10,900	4,100	2,000	0	0	98,700	38,692	-	-	137,387
2008*	4,700	2,200	1,200	5,200	3,300	1,000	21,200	7,900	300	7,300	7,300	12,600	11,100	3,100	1,200	600	100	90,200	29,640	-	-	120,150
2009*	5,400	1,700	3,700	4,500	1,700	1,000	17,800	5,100	400	9,900	6,100	10,900	8,100	3,300	1,400	0	200	81,300	30,374	-	-	111,880
2010*	3,400	2,000	1,800	2,700	1,500	1,300	17,300	7,400	800	11,800	8,200	12,500	12,900	5,200	2,400	1,100	100	92,200	27,073	-	-	119,616
2011*	2,100	1,400	2,000	4,500	700	400	15,900	4,700	400	8,600	3,200	8,000	9,800	3,800	700	0	0	66,200	21,992	-	-	88,351
2012*	3,300	2,200	1,600	2,200	1,600	1,100	16,800	5,500	1,000	16,700	4,800	3,700	9,500	3,100	500	400	0	73,900	20,688	-	-	94,559
2013*	3,500	2,600	2,200	2,700	1,900	1,400	18,200	6,800	500	12,200	4,600	9,500	5,900	2,100	800	100	0	75,100	24,951	-	-	100,187
2014*	2,300	1,100	700	2,500	1,800	500	16,300	4,000	100	8,000	3,800	4,600	6,300	3,800	700	0	100	56,500	15,885	-	-	72,396
2015*	800	1,000	700	1,900	700	600	9,800	4,000	100	4,800	2,900	6,400	6,300	5,400	600	0	0	46,000	16,300	-	-	62,200
Averages																						
1999-2000	10,500	2,000	2,050	4,700	4,800	2,200	21,000	8,400	400	14,800	5,900	13,300	10,500	6,100	1,600	1,100	100	109,100	58,000	-	-	167,100
2001-05	6,600	2,200	1,900	3,200	3,400	1,100	20,700	9,800	400	11,700	5,000	15,600	10,100	4,000	1,100	200	40	97,000	37,000	-	-	134,100
2006-10	4,800	1,700	2,000	4,200	2,600	1,400	20,000	8,100	500	10,800	6,700	12,100	10,000	4,200	1,600	300	100	91,200	32,300	-	-	123,600
2011-15	2,400	1,700	1,400	2,800	1,300	800	15,400	5,000	400	10,100	3,900	6,400	7,800	3,600	700	100	0	63,500	20,000	-	-	83,500

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HP Ducks.xls Sheet: ABDU-MODU-GADW

Estimates of Mottled Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	300	5,200	5,600	-	-	-	-
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,000	300	7,800	9,100	-	-	-	-
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	400	1,400	200	13,100	15,100	-	-	-	-
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	200	12,100	13,000	-	-	-	-
2003*	0	0	0	0	0	0	0	0	0	0	0	0	100	0	1,800	200	8,300	10,400	-	-	-	-
2004*	0	0	0	0	0	0	0	0	0	0	0	0	0	100	100	0	15,100	15,300	-	-	-	-
2005*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	0	10,400	10,600	-	-	-	-
2006*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	200	13,100	13,800	-	-	-	-
2007*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,100	200	11,500	12,900	-	-	-	-
2008*	0	0	0	0	0	0	0	0	0	0	0	0	0	100	800	0	14,100	15,000	-	-	-	-
2009*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,600	2,300	14,300	19,100	-	-	-	-
2010*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	0	13,900	14,600	-	-	-	-
2011*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,800	400	10,600	13,800	-	-	-	-
2012*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,900	7,900	-	-	-	-
2013*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	800	300	9,100	10,100	-	-	-	-
2014*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	900	300	6,400	7,600	-	-	-	-
2015*	0	0	0	0	0	0	0	0	0	0	0	0	0	1,100	0	8,500	9,611	13,700	6,300	-	-	29,600
Averages																						
1999-2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	600	300	6,500	7,400	-	-	-	-
2001-05	0	0	0	0	0	0	0	0	0	0	0	0	20	100	800	100	11,800	12,900	-	-	-	-
2006-10	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1,140	540	13,380	15,100	-	-	-	-
2011-15	0	0	0	0	0	0	0	0	0	0	0	0	0	1,100	200	8,500	9,800	13,700	6,300	-	-	29,600

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HP Ducks.xls Sheet: ABDU-MODU-GADW

Estimates of Gadwall Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	0	0	0	800	500	1,100	3,300	1,400	100	800	3,800	11,100	5,900	14,000	11,300	3,700	4,500	62,200	1,068,106	556,552	133,826	1,821,696
2000	0	0	100	200	900	200	2,300	800	100	1,500	2,500	8,000	14,700	16,100	6,600	9,000	4,400	67,500	1,267,013	609,414	132,511	2,076,433
2001	0	0	0	100	300	100	1,800	1,100	0	500	1,500	3,800	6,000	7,100	7,200	3,900	400	33,800	845,701	491,783	122,399	1,493,668
2002	0	100	0	100	200	0	2,600	1,600	0	1,300	2,900	3,700	11,000	10,500	2,000	3,300	500	39,800	661,701	411,642	118,960	1,232,106
2003*	100	100	0	100	200	300	2,100	2,500	0	600	1,400	4,700	8,100	9,900	2,400	5,800	200	38,500	851,316	422,728	154,055	1,466,578
2004*	200	200	0	0	200	200	1,500	800	0	700	600	2,200	5,900	5,800	2,200	3,400	300	24,300	654,488	483,058	202,160	1,363,975
2005*	100	100	0	0	300	300	2,100	2,600	0	600	3,600	2,800	5,100	11,100	800	2,800	2,100	34,300	635,321	499,963	194,332	1,363,954
2006*	0	100	0	0	0	100	2,200	2,400	0	100	900	3,700	7,100	8,700	5,200	2,400	400	33,300	803,393	463,376	244,379	1,544,400
2007*	0	0	0	200	200	100	1,600	4,100	200	300	2,700	2,000	10,800	5,500	7,000	3,000	1,200	38,900	842,192	393,826	199,854	1,474,822
2008*	100	100	100	0	100	200	1,200	1,100	100	500	3,900	3,100	8,000	9,100	6,700	2,500	1,500	36,300	906,307	339,425	182,221	1,464,272
2009*	0	0	0	0	300	0	1,900	1,200	100	1,800	1,700	2,500	5,600	6,100	6,000	5,100	1,000	33,500	713,277	461,217	193,833	1,401,774
2010*	100	200	0	0	200	300	2,600	1,900	100	600	800	1,200	9,900	17,100	12,500	3,700	2,000	53,400	1,096,694	367,637	213,264	1,735,283
2011*	0	100	0	200	300	0	3,300	1,500	0	100	700	2,800	12,700	22,900	17,000	5,200	1,800	68,600	1,473,197	555,983	213,633	2,311,375
2012*	0	100	0	100	300	0	2,200	2,200	300	100	1,800	4,000	7,500	16,000	5,000	8,100	1,700	49,300	1,240,234	536,958	194,222	2,020,732
2013*	100	100	0	100	400	400	4,400	3,600														

Estimates of Green-winged Teal Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.	
1999	12,900	5,100	1,600	1,400	4,900	400	22,500	9,300	100	15,200	28,400	41,200	11,400	37,300	16,900	8,200	24,700	241,600	298,936	107,243	58,968	522,236	
2000	8,800	2,400	800	1,300	1,600	200	12,200	6,000	100	16,000	19,500	25,300	9,300	29,700	25,400	11,000	21,500	190,800	279,651	126,250	38,436	501,156	
2001	2,900	1,200	700	1,300	1,200	300	12,600	7,500	0	11,900	12,900	25,900	11,000	23,200	18,100	6,700	11,500	149,100	362,646	123,720	42,831	581,956	
2002	8,100	1,900	1,300	1,300	600	300	15,100	11,900	300	13,200	10,500	17,300	5,600	28,900	15,500	4,700	22,200	158,600	326,812	133,556	45,703	554,283	
2003*	5,200	2,100	1,200	2,000	500	300	14,200	7,100	100	9,900	18,400	16,300	10,900	22,100	12,500	4,600	9,400	137,200	303,138	109,467	57,426	504,984	
2004*	2,800	2,500	800	1,200	1,100	100	10,700	5,000	100	7,700	7,700	22,700	11,600	9,000	17,400	3,800	11,000	115,000	259,177	132,597	71,981	530,113	
2005*	3,100	2,700	1,200	1,100	1,100	100	11,600	6,100	0	5,400	4,900	13,400	8,200	25,400	15,400	4,300	16,700	120,700	213,807	119,558	76,592	471,748	
2006*	4,300	3,300	1,200	2,500	800	200	14,300	6,400	100	7,500	9,500	12,000	11,300	28,600	21,100	9,600	21,800	154,600	248,662	100,537	72,118	474,062	
2007*	6,100	2,500	1,100	1,400	2,400	300	17,200	11,400	300	10,700	9,700	13,100	5,400	20,500	21,700	7,700	25,500	157,000	322,800	118,113	58,092	566,676	
2008*	7,900	4,300	1,100	1,300	2,200	100	14,100	10,000	100	7,200	11,400	16,300	10,100	27,000	19,000	1,100	15,600	149,000	322,782	92,907	52,664	535,496	
2009*	4,900	3,300	1,100	1,500	900	70	11,800	6,500	30	7,800	5,700	13,100	7,700	23,400	26,200	10,200	11,500	135,600	487,936	129,325	46,568	760,919	
2010*	3,200	2,600	1,200	1,500	500	0	8,800	5,100	0	7,900	10,300	7,900	5,900	47,100	18,700	7,400	20,400	148,500	341,939	107,616	58,794	600,694	
2011*	2,000	2,200	1,000	1,800	500	100	13,000	4,000	200	5,600	10,800	5,400	5,500	22,300	17,200	7,700	12,800	112,100	326,528	145,920	52,675	618,038	
2012*	2,300	2,400	1,100	700	900	0	13,400	4,100	0	6,600	14,900	5,400	14,900	28,900	11,300	9,900	12,500	129,500	377,421	97,196	40,628	598,740	
2013*	4,600	4,200	1,100	500	700	100	10,700	5,900	400	5,900	8,800	6,600	8,000	22,100	14,900	9,500	9,200	113,100	534,839	224,496	43,178	857,808	
2014*	1,500	1,500	700	700	400	0	10,100	2,500	0	4,300	4,000	5,400	5,700	39,300	21,000	11,000	7,100	115,300	262,990	163,100	32,366	501,267	
2015*	1,200	1,700	100	1,300	800	100	9,600	3,000	0	5,200	6,500	7,100	5,900	19,400	15,600	7,200	3,600	88,100	522,200	207,400	452,000	1,269,700	
Averages																							
1999-2000	10,900	3,800	1,200	1,400	3,300	300	17,400	7,700	100	15,600	24,000	33,300	10,400	33,500	21,200	9,600	23,100	216,200	289,300	116,700	48,700	511,700	
2001-05	4,400	2,100	1,000	1,400	900	200	12,800	7,500	100	9,600	10,900	19,100	9,500	21,700	15,800	4,800	14,200	136,100	293,100	123,800	58,900	528,600	
2006-10	5,300	3,200	1,100	1,600	1,400	100	13,200	7,900	100	8,200	9,300	12,500	8,100	29,300	21,300	7,200	19,000	148,900	344,800	109,700	57,600	587,600	
2011-15	2,300	2,400	800	1,000	700	100	11,400	3,900	100	5,500	9,000	6,000	6,000	26,400	16,000	9,100	9,000	111,600	404,800	167,600	124,200	769,100	

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: AGWT-BCTE-AMWI

Estimates of Blue-winged Teal Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.	
1999	900	400	100	0	100	100	2,700	900	100	200	2,000	5,800	500	5,600	8,900	4,200	49,400	81,900	889,527	339,013	529,706	1,990,845	
2000	200	100	100	0	0	0	1,500	300	300	100	1,800	2,000	1,200	3,700	10,300	2,700	54,000	78,200	669,337	317,944	418,324	1,588,702	
2001	500	0	0	0	0	0	1,400	1,900	100	200	700	6,100	1,000	6,700	6,100	6,000	41,600	72,400	576,038	301,462	334,806	1,353,753	
2002	200	100	0	0	0	0	800	1,300	100	100	400	1,900	400	3,000	4,500	1,600	47,000	61,300	530,750	286,298	347,474	1,321,002	
2003*	500	0	0	0	0	0	1,000	700	100	100	500	1,200	500	2,100	4,800	3,800	30,500	45,900	671,387	253,729	368,625	1,427,712	
2004*	0	200	0	0	0	0	1,100	100	0	0	400	1,000	200	1,600	8,500	3,800	56,000	73,000	484,780	262,214	487,240	1,346,871	
2005*	900	700	100	100	0	0	2,000	1,900	100	300	100	1,900	1,200	3,200	14,300	3,800	46,700	77,100	504,591	343,330	508,967	1,475,139	
2006*	300	200	100	0	0	0	400	300	100	0	300	1,800	700	2,300	8,200	8,200	47,600	70,600	632,044	252,056	562,655	1,596,464	
2007*	300	100	0	0	0	0	1,200	1,000	300	100	200	700	400	2,100	11,400	5,400	66,400	89,700	771,586	341,509	631,082	1,899,870	
2008*	600	100	0	0	0	0	900	300	100	0	2,600	800	500	6,500	300	59,900	72,500	841,357	292,560	674,801	1,953,766		
2009*	400	300	100	0	0	0	1,100	1,600	0	100	400	4,000	1,200	2,500	16,000	8,800	78,000	114,500	747,459	243,915	539,080	1,662,914	
2010*	800	300	200	0	0	100	1,000	500	0	100	1,900	2,900	4,100	10,100	16,100	4,800	86,600	119,300	1,045,499	252,694	540,259	1,993,605	
2011*	700	200	100	300	0	0	4,500	1,200	300	100	300	2,300	3,500	6,700	20,600	17,200	76,600	134,400	986,994	309,644	507,811	1,914,021	
2012*	900	100	100	100	0	0	1,600	1,300	0	300	800	0	300	13,700	15,300	16,200	79,800	133,600	898,176	374,343	559,893	1,952,257	
2013*	1,200	700	200	100	0	0	1,700	400	100	200	300	400	1,200	5,700	3,500	9,600	50,400	75,700	835,629	320,511	417,964	1,685,796	
2014*	500	0	0	0	0	0	2,400	400	0	100	0	200	1,300	7,100	5,400	6,200	39,100	62,600	892,448	335,076	380,876	1,721,797	
2015*	100	200	0	0	100	0	600	700	100	0	0	200	1,000	1,800	3,400	1,900	45,400	55,600	273,200	165,400	28,500	522,600	
Averages																							
1999-2000	600	300	100	0	100	100	2,100	600	200	200	1,900	3,900	900	4,700	9,600	3,500	51,700	80,100	779,400	328,500	474,000	1,789,800	
2001-05	400	200	0	0	0	0	1,300	1,200	100	100	400	2,400	700	3,300	7,600	3,800	44,400	65,900	553,500	289,400	409,400	1,384,900	
2006-10	500	200	100	0	0	0	900	700	100	0	200	2,200	1,200	2,300	11,600	5,500	67,700	93,300	807,600	278,500	589,600	1,821,300	
2011-15	700	200	100	100	0	0	2,200	800	100	100	300	600	2,100	7,000	9,600	10,200	58,300	92,400	777,300	301,000	379,000	1,559,300	

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: AGWT-BCTE-AMWI

Estimates of Wigeon Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	300	100	0	500	200	300	5,000	1,000	0	2,200	1,600	12,100	1,700	15,200	2,100	1,900	5,200	49,600	170,804	201,671	400,817	822,884
2000	100	0	0	200	800	500	2,700	700	200	800	500	6,800	3,100	8,900	9,800	600	3,300	39,000	217,539	217,111	301,927	775,547
2001	0	100	0	100	700	200	3,300	1,400	0	400	800	5,700	3,500	12,200	5,400	2,100	1,600	37,600	172,897	204,922	324,581	740,038
2002	200	200	200	0	700	100	3,700	1,600	0	1,400	1,700	3,700	4,300	10,700	3,200	500	400	32,500	144,517	190,807	298,907	666,696
2003*	300	300	0	300	100	200	3,300	500	0	600	1,600	5,700	5,800	12,800	2,100	800	5,000	39,500	120,737	151,005	284,397	595,645
2004*	300	200	100	100	100	400	2,600	400	0	600	700	1,200	1,700	4,000	2,100	900	4,100	19,400	149,793	226,316	355,055	750,539
2005*	100	200	0	100	100	300	2,800	1,700	0	800	1,300	2,400	2,000	4,100	600	0	4,200	20,700	121,2			

Estimates of green-winged teal harvest during the Special September Teal Season in the Atlantic Flyway and the Special September Duck Season in Florida, based on the Mail Questionnaire Survey (1981-2001) and the Harvest Information Program (1999-2015).

Year	DE	MD	VA	NC	SC	GA	FL	Total
Mail Questionnaire Survey								
1981							300	300
1982							0	0
1983							0	0
1984							300	300
1985							300	300
1986							100	100
1987							200	200
1988							0	0
1989							0	0
1990							0	0
1991							0	0
1992							100	100
1993							0	0
1994							0	0
1995							100	100
1996							200	200
1997							400	400
1998	0	2,200	1,300	1,900	500	0	200	3,800
1999	3,600	4,600	2,500	1,300	0	0	100	7,400
2000	2,500	4,600	1,400	1,600	0	1,400	0	6,900
2001	1,800	4,300	900	0	0	1,000	0	3,800
Harvest Information Program								
1999	3,400	4,200	400	900	0	0	100	8,900
2000	2,600	3,500	700	400	0	400	0	7,700
2001	1,900	3,400	200	0	0	2,100	0	7,600
2002	900	800	100	300	0	0	0	2,100
2003*	1,800	900	200	200	100	0	0	2,300
2004*	800	1,200	300	0	0	0	0	1,200
2005*	300	900	100	1,100	0	0	0	2,400
2006*	2,200	500	100	1,500	700	0	0	4,900
2007*	400	500	100	0	100	200	0	1,300
2008*	1,400	1,900	700	0	0	0	0	3,900
2009*	1,200	1,200	400	1,200	200	0	200	3,200
2010*	1,400	500	100	300	0	0	0	2,300
2011*	2,000	0	400	200	0	0	0	2,500
2012*	3,200	0	1,300	300	0	0	100	4,800
2013*	400	100	0	800	0	0	0	1,400
2014*	200	900	600	0	200	0	0	1,900
2015*	600	500	200	0	0	0	0	1,300
Averages								
Mail Questionnaire Survey								
1981-85							180	180
1986-90							60	60
1991-95							40	40
1996-2000	2,000	3,800	1,700	1,600	200	500	200	3,700
Harvest Information Program								
1999-2000	3,000	3,900	600	700	0	200	50	8,300
2001-05	1,100	1,400	200	300	20	400	0	3,100
2006-10	1,300	900	300	600	200	0	0	3,100
2011-15	1,300	300	500	300	0	0	0	2,400

* Preliminary estimates

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Sheet: AGWT

Estimates of blue-winged teal harvest during the Special September Teal Season in the Atlantic Flyway and the Special September Duck Season in Florida, based on the Mail Questionnaire Survey (1981-2001) and the Harvest Information Program (1999-2015).

Year	DE	MD	VA	NC	SC	GA	FL	Total
Mail Questionnaire Survey								
1981							5,700	5,700
1982							0	0
1983							11,600	11,600
1984							14,100	14,100
1985							12,900	12,900
1986							7,700	7,700
1987							7,800	7,800
1988							0	0
1989							0	0
1990							0	0
1991							0	0
1992							3,000	3,000
1993							3,400	3,400
1994							4,200	4,200
1995							7,800	7,800
1996							14,700	14,700
1997							19,700	19,700
1998	3,600	6,000	600	4,600	2,900	300	8,000	20,100
1999	1,400	5,500	800	4,000	4,200	3,000	9,400	22,900
2000	1,100	2,400	2,000	4,700	3,400	6,900	10,200	28,200
2001	400	4,800	1,400	4,100	2,200	1,600	7,800	17,400
Harvest Information Program								
1999	1,300	5,000	100	2,900	2,000	4,000	9,500	24,800
2000	1,200	1,800	900	1,300	1,500	2,100	12,500	21,400
2001	400	3,800	300	1,500	1,900	3,300	8,000	19,200
2002	100	1,300	200	300	800	1,300	9,200	13,100
2003*	400	900	200	1,100	500	2,800	5,100	10,000
2004*	0	100	0	800	1,700	1,800	2,600	6,800
2005*	0	400	600	0	2,900	3,500	7,900	15,400
2006*	300	1,100	300	600	1,400	6,400	7,800	17,800
2007*	100	300	100	500	7,600	5,200	8,200	22,000
2008*	0	1,100	800	0	1,800	0	1,700	5,400
2009*	200	2,200	400	1,200	6,700	500	7,500	17,400
2010*	100	700	1,700	0	9,200	0	15,300	27,000
2011*	100	300	1,500	3,300	13,500	13,300	9,400	41,500
2012*	300	0	800	2,100	6,100	7,100	8,800	25,100
2013*	100	400	300	600	1,700	8,600	8,500	20,400
2014*	0	100	400	300	2,500	5,400	11,000	19,800
2015*	200	200	300	0	3,400	19,100	10,300	33,400
Averages								
Mail Questionnaire Survey								
1981-85							8,900	8,900
1986-90							3100	3100
1991-95							3,700	3,700
1996-2000	2,000	4,600	1,100	4,400	3,500	3,400	12,400	21,100
Harvest Information Program								
1999-2000	1,300	3,400	500	2,100	1,800	3,100	11,000	23,100
2001-05	200	1,300	300	700	1,600	2,500	6,600	12,900
2006-10	100	1,100	700	500	5,300	2,400	8,100	17,900
2011-15	100	200	700	1,300	5,400	10,700	9,600	28,000

* Preliminary estimates

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Sheet: BCTE

Estimates of Shoveler Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	0	100	0	0	0	0	600	300	0	500	1,400	1,500	1,100	2,400	2,100	1,100	6,200	17,400	201,054	121,300	192,837	532,541
2000	0	100	0	0	0	0	300	400	0	300	2,000	1,500	1,300	3,000	2,600	1,100	5,300	17,900	196,305	102,188	131,756	448,200
2001	0	0	0	0	0	0	400	600	0	1,100	1,000	800	600	3,800	3,500	600	9,000	21,500	235,900	133,216	148,577	539,161
2002	100	100	0	0	0	0	900	500	0	500	1,800	900	500	2,700	1,700	500	4,500	14,700	126,467	87,628	140,152	368,935
2003*	0	100	0	0	0	0	700	200	0	500	3,100	600	500	1,400	2,500	1,000	2,200	12,700	206,976	88,270	157,744	465,739
2004*	0	100	0	100	0	0	300	0	0	300	1,600	400	600	2,100	900	1,000	2,500	9,900	158,905	104,482	206,157	479,409
2005*	100	100	0	0	0	0	1,000	200	0	300	1,300	600	700	3,900	1,800	500	8,100	18,700	195,237	137,817	189,925	541,650
2006*	0	0	0	0	0	0	400	200	0	200	1,200	200	800	1,700	2,000	0	5,700	12,500	225,099	104,394	301,358	643,347
2007*	0	0	0	0	0	0	900	300	0	500	900	400	800	2,000	2,900	500	5,800	15,000	289,071	141,238	369,431	814,786
2008*	100	100	0	0	0	0	500	200	0	200	600	700	400	3,600	2,000	0	3,200	11,400	251,531	65,212	259,185	587,346
2009*	0	100	0	100	0	100	400	200	0	500	1,300	1,000	900	2,800	8,600	0	3,300	19,200	283,039	138,675	202,584	643,500
2010*	0	200	0	0	0	0	600	100	0	300	400	1,400	1,800	8,400	3,500	3,200	9,800	29,700	475,080	140,154	286,577	934,639
2011*	100	0	0	100	0	0	100	100	0	1,100	1,000	1,500	5,000	9,600	3,900	9,500	32,100	375,091	174,748	334,732	916,658	
2012*	0	100	0	0	0	0	1,100	400	0	300	2,100	200	2,100	11,100	6,900	1,100	7,800	33,000	390,664	154,950	373,731	952,372
2013*	0	100	0	0	0	0	1,200	0	0	500	1,700	2,600	1,500	6,600	6,300	300	7,000	27,900	355,369	173,526	265,103	821,859
2014*	0	0	0	0	0	0	1,100	400	0	200	2,200	1,300	800	14,100	6,600	1,200	11,600	39,500	294,147	142,535	228,570	704,756
2015*	0	100	0	0	0	0	800	300	0	200	900	600	1,200	11,100	4,000	500	3,100	22,700	155,100	84,800	226,500	544,000
Averages																						
1999-2000	0	100	0	0	0	0	500	400	0	300	1,900	1,500	1,200	2,700	2,400	1,100	5,800	17,700	198,700	111,700	162,300	490,400
2001-05	0	100	0	0	0	0	700	300	0	500	1,800	700	600	2,800	2,100	700	5,300	15,500	184,700	110,300	168,500	479,000
2006-10	0	100	0	0	0	0	600	200	0	300	900	700	900	3,700	3,800	700	5,600	17,600	304,800	117,900	283,800	724,700
2011-15	0	100	0	0	0	0	900	200	0	200	1,600	1,100	1,400	9,600	6,700	1,400	7,800	31,000	314,100	146,100	296,700	787,900

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: NSHO-NOP1-WODU-REDH

Estimates of Pintail Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	500	400	100	100	200	0	3,500	300	0	1,200	2,800	3,200	1,100	6,700	300	4,200	25,100	153,306	129,904	230,405	538,714	
2000	400	200	100	0	0	0	2,100	500	0	1,500	1,000	4,000	1,400	4,900	1,900	1,000	1,900	20,000	153,038	135,897	203,033	512,016
2001	100	300	0	100	100	100	2,100	600	0	1,400	1,300	3,400	1,400	6,000	400	600	2,700	20,600	125,149	136,050	159,798	441,615
2002	500	300	100	100	100	0	4,200	800	0	600	2,400	1,600	1,100	3,500	500	200	1,500	17,200	99,759	60,703	130,183	307,865
2003*	400	100	100	0	100	0	2,600	200	0	600	2,000	3,200	1,300	4,400	1,400	500	1,100	18,100	119,003	55,641	144,020	336,800
2004*	200	400	0	0	0	0	1,900	500	0	500	1,600	1,200	900	1,700	300	0	900	10,300	90,542	63,280	147,040	311,115
2005*	400	100	0	200	100	0	2,200	400	0	900	1,600	1,400	500	3,900	200	0	5,500	17,300	107,276	78,919	208,495	412,029
2006*	100	200	100	100	200	0	3,000	200	0	500	1,900	1,500	500	7,600	1,100	200	3,000	20,300	104,286	66,350	239,423	430,342
2007*	300	200	100	100	0	0	2,600	2,000	0	900	1,200	1,000	800	4,100	1,800	0	3,900	19,100	162,415	88,229	259,447	529,168
2008*	100	500	100	400	100	0	2,800	800	0	1,200	2,400	1,300	500	4,500	2,400	300	1,200	21,500	158,218	72,230	284,676	536,422
2009*	200	500	0	100	0	0	1,700	500	0	400	1,800	1,000	1,600	4,000	500	2,800	200	15,100	106,729	91,002	285,976	498,763
2010*	200	300	100	0	100	100	2,500	200	0	300	2,000	500	2,500	7,800	4,000	0	2,800	23,500	196,185	117,009	357,813	704,668
2011*	0	100	100	100	0	0	1,900	100	0	400	1,300	1,000	1,400	7,100	3,000	0	1,500	18,000	212,499	187,587	391,533	809,450
2012*	0	200	0	100	100	0	1,800	300	0	100	1,300	600	1,000	5,200	500	0	1,600	12,600	156,593	156,403	357,842	683,446
2013*	300	100	100	0	100	0	4,500	100	100	500	700	1,200	1,700	8,500	2,500	400	500	21,400	155,104	130,690	231,175	538,337
2014*	400	200	0	100	100	0	3,100	400	0	1,200	900	2,500	500	4,400	900	400	2,600	17,700	115,644	107,608	230,528	471,466
2015*	100	200	0	0	100	0	2,600	100	0	500	800	2,100	900	8,200	1,100	0	700	17,500	95,700	84,600	249,400	447,200
Averages																						
1999-2000	500	300	100	100	100	0	2,800	400	0	1,400	1,900	3,600	1,300	5,800	1,100	200	3,100	22,600	153,200	132,900	216,700	525,400
2001-05	300	200	0	100	100	0	2,600	500	0	800	1,800	2,200	1,000	3,900	600	300	2,300	16,700	108,300	78,900	157,900	361,900
2006-10	200	300	100	100	100	0	2,500	700	0	700	1,900	1,100	1,800	5,600	2,000	700	2,200	19,900	145,600	87,000	285,500	539,900
2011-15	200	200	0	100	100	0	2,800	200	0	500	1,000	1,500	1,100	6,700	1,600	200	1,400	17,400	147,100	133,400	292,100	590,000

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: NSHO-NOP1-WODU-REDH

Estimates of Regular-Season Wood Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	6,500	2,700	2,900	2,600	4,700	900	25,700	36,300	1,400	5,900	5,900	17,400	15,400	98,500	49,800	98,000	16,900	391,500	924,459	124,492	52,247	1,492,715
2000	11,000	2,400	1,900	2,300	1,800	500	24,000	38,900	2,500	4,800	3,500	10,900	16,200	80,500	64,900	90,400	21,500	378,100	761,301	118,688	54,547	1,312,657
2001	7,700	2,500	4,200	3,000	4,800	300	27,500	73,200	1,100	5,000	5,200	18,400	21,300	84,600	62,300	62,800	16,000	400,000	597,152	112,709	54,200	1,164,045
2002	6,400	1,700	4,200	2,900	4,300	100	26,700	61,500	1,900	4,200	6,200	14,000	19,400	71,200	87,000	26,300	9,400	347,200	660,754	84,721	34,503	1,127,181
2003*	3,800	1,800	3,800	2,700	3,600	700	21,300	27,400	1,600	4,600	7,200	14,800	20,100	55,600	89,400	74,100	4,500	336,900	711,418	75,782	40,962	1,165,097
2004*	4,200	4,300	2,800	3,200	2,500	400	20,400	27,700	1,500	3,600	3,900	11,800	19,000	31,800	68,200	51,500	7,400	264,400	697,336	74,280	35,711	1,071,768
2005*	6,200	3,800	3,400	2,900	2,500	300	21,400	28,600	2,200	4,200	1,500	10,600	16,900	66,700	78,800	65,500	6,500	321,800	663,705	67,386	55,545	1,108,416
2006*	5,600	3,800	6,300	4,100	2,500	200	16,500	21,600	1,500	3,900	2,800	10,800	13,500	73,400	101,900	54,600	7,800	330,700	601,792	49,563	58,845	1,040,922
2007*	5,400	3,100	3,700	1,800	2,600	200	25,500	37,400	2,800	6,600	5,100	10,500	27,300	76,300	58,900	61,700	6,100	335,000	593,131	75,533	53,088	1,056,706
2008*	3,500	6,600	5,600	3,000	2,300																	

Estimates of Canvasback Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	0	0	0	100	100	0	600	200	0	200	0	2,500	200	1,100	0	300	300	5,600	40,510	33,639	20,127	99,841
2000	0	0	0	100	300	100	1,600	100	0	400	0	8,200	2,400	1,800	400	600	600	16,500	49,183	26,960	20,029	112,646
2001	0	0	0	0	100	0	100	0	0	0	0	500	300	200	100	200	0	1,600	11,580	13,993	9,482	36,631
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	574	1,208	1,187	2,970
2003*	0	0	0	0	100	0	600	100	0	0	0	2,600	900	100	0	200	100	4,700	9,822	8,005	11,381	33,945
2004*	0	0	0	0	0	0	600	0	0	100	0	7,500	1,100	300	100	0	0	9,800	10,824	8,857	15,026	44,479
2005*	0	0	0	0	0	0	300	0	0	0	100	1,900	800	200	0	800	400	4,400	32,787	17,470	9,729	64,420
2006*	0	0	0	0	0	0	100	0	0	0	0	100	600	200	0	0	200	1,200	45,640	18,031	26,987	91,885
2007*	0	0	0	0	0	0	400	100	0	0	100	1,900	900	700	400	200	2,100	7,000	56,430	15,254	46,533	125,207
2008*	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	1,234	15,863	1,007	18,172
2009*	0	0	0	0	0	0	900	100	0	200	200	3,100	1,700	400	500	500	0	7,400	27,831	17,250	17,923	70,393
2010*	0	0	0	0	0	0	700	100	0	0	100	13,500	5,600	700	900	1,100	300	23,000	72,703	24,825	25,168	145,886
2011*	0	0	0	0	0	0	100	0	0	0	0	2,900	500	0	1,400	400	0	5,300	68,358	42,041	25,113	140,862
2012*	0	0	0	0	0	0	300	0	0	0	600	1,700	300	300	300	0	400	3,900	52,081	26,786	34,479	117,249
2013*	0	0	0	0	0	0	200	100	100	0	200	4,600	3,900	2,300	200	700	800	13,100	76,103	32,045	38,453	159,712
2014*	0	0	0	0	0	0	300	0	0	0	0	1,100	800	300	500	1,500	1,000	5,600	43,558	35,004	24,071	108,263
2015*	0	0	0	0	0	0	100	0	0	100	200	500	400	400	0	200	100	1,900	30,700	21,700	31,900	86,200
Averages																						
1999-2000	0	0	0	100	200	100	1,100	200	0	300	0	5,400	1,300	1,500	200	500	500	11,100	44,800	30,300	20,100	106,200
2001-05	0	0	0	0	0	0	300	0	0	0	0	2,500	600	200	0	200	100	4,100	13,100	9,900	9,400	36,500
2006-10	0	0	0	0	0	0	400	100	0	0	100	3,700	1,800	400	400	400	500	7,700	40,800	18,200	23,500	90,300
2011-15	0	0	0	0	0	0	200	0	0	0	200	2,200	1,200	700	500	600	500	6,000	54,200	31,500	30,800	122,500

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: CANV-GRSC-LESC

Estimates of Greater Scaup Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	100	0	0	0	0	0	2,500	100	0	600	0	4,000	0	700	0	0	200	8,300	9,271	2,803	19,358	39,739
2000	100	0	0	0	100	500	2,300	100	0	800	0	6,100	500	1,200	700	100	300	12,800	19,086	2,446	19,384	53,766
2001	0	200	100	0	0	200	1,600	900	0	200	300	800	200	1,800	100	200	1,900	8,500	8,603	1,802	15,736	34,646
2002	100	0	0	200	0	600	6,600	1,800	0	700	100	3,100	1,300	1,600	700	200	500	17,600	29,229	3,740	19,989	70,996
2003*	0	0	0	100	700	400	6,300	800	0	3,600	0	3,700	500	1,000	0	200	100	17,300	13,031	1,257	16,122	47,754
2004*	0	100	0	0	300	100	2,400	2,800	0	6,200	100	2,300	1,100	700	100	0	600	16,800	28,056	3,667	22,958	71,518
2005*	0	200	0	0	200	100	2,900	2,100	0	2,100	100	6,100	700	3,400	200	0	200	18,200	24,812	2,518	12,447	58,014
2006*	200	100	0	0	0	0	3,800	500	0	800	0	1,900	1,500	1,100	0	400	300	10,500	21,452	2,678	13,125	47,780
2007*	0	100	0	100	0	400	4,200	1,600	0	1,300	100	3,100	500	700	400	0	700	13,200	21,964	2,963	32,752	70,833
2008*	0	100	0	0	200	100	3,600	200	0	600	100	4,400	100	700	300	0	200	10,600	24,650	2,656	11,514	49,465
2009*	100	100	0	100	0	200	3,500	300	0	1,600	0	2,400	2,700	700	500	500	400	12,800	24,567	1,505	16,273	55,139
2010*	200	100	0	0	200	200	4,100	200	0	400	0	12,300	2,000	1,400	700	1,600	100	23,500	23,692	1,672	18,495	69,814
2011*	0	100	0	100	0	200	1,300	600	0	200	0	900	600	1,000	700	400	200	6,300	33,680	3,455	16,024	59,423
2012*	100	0	0	300	500	700	5,200	300	0	800	300	4,400	1,300	3,900	300	0	1,300	19,200	40,968	1,807	35,894	97,900
2013*	100	200	0	200	500	1,300	5,400	3,200	100	900	400	5,700	1,700	2,300	300	0	1,000	23,200	49,064	3,401	6,533	82,224
2014*	0	100	0	100	400	400	2,000	900	0	700	400	500	1,900	1,600	200	100	200	9,700	37,927	3,629	10,838	62,093
2015*	0	300	0	0	100	200	2,100	200	0	400	0	0	100	700	0	200	600	5,200	25,100	3,300	6,700	40,300
Averages																						
1999-2000	100	0	0	0	100	300	2,400	100	0	700	0	5,100	300	1,000	400	100	300	10,600	14,200	2,600	19,400	46,800
2001-05	0	100	0	100	200	300	4,000	1,700	0	2,600	100	3,200	800	1,700	200	100	700	15,700	20,700	2,600	17,500	56,500
2006-10	100	100	0	0	100	200	3,800	600	0	900	0	4,800	1,400	900	400	500	300	14,100	23,300	2,300	18,400	58,800
2011-15	0	100	0	100	300	600	3,200	1,000	0	600	200	2,300	1,100	1,900	300	100	700	12,700	37,300	3,100	15,200	68,400

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: CANV-GRSC-LESC

Estimates of Lesser Scaup Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	200	200	0	0	0	0	2,500	2,400	0	200	100	17,100	4,200	34,700	600	300	1,800	64,300	80,808	37,744	29,260	212,075
2000	100	0	0	0	0	100	1,500	400	0	200	200	10,300	2,900	7,400	700	2,600	6,100	32,300	184,007	83,331	31,353	331,022
2001	0	100	0	0	0	100	900	2,200	0	100	100	2,600	5,100	49,600	15,300	5,400	29,700	111,200	170,824	71,917	30,222	384,200
2002	100	200	100	300	0	200	3,700	3,500	0	500	400	18,700	5,100	31,400	6,000	3,700	11,600	85,500	182,132	87,438	32,866	387,893
2003*	0	100	0	0	100	100	4,300	4,500	0	800	0	10,400	5,000	22,500	2,800	2,300	8,100	60,900	145,606	45,008	39,032	290,587
2004*	0	100	0	0	0	100	2,000	3,100	0	1,000	300	14,800	3,400	20,000	2,800	400	7,000	54,900	108,350	66,799	52,347	282,388
2005*	0	400	0	0	0	100	2,300	2,700	0	1,300	600	9,800	6,400	27,900	2,000	1,000	9,300	63,700	111,357	54,442	29,471	258,968
2006*	200	300	100	100	0	100	3,400	700	0	600	500	9,800	5,400	16,300	1,100	1,200	6,900	46,600	101,220	50,948	34,723	233,508
2007*	200	200	0	100	0	100	4,000	2,900	0	500	100	10,900	3,200	6,000	2,900	3,200	12,100	46,600	84,789	40,662	52,006	224,053
2008*	300	600	0	0	100	0	2,800	1,000	0	600	700	4,400	1,700	7,100	1,500	1,700	3,300	25,800	97,342	29,014	27,414	179,561
2009*	200	300	0	200	0	0	2,300	1,500	100	200	100	3,800	4,200	12,200	3,000	500	7,300	35,900	111,521	44,029	30,608	222,066
2010*	300	600	0	0	100	0	3,900	1,200	0	400	600	11,600	3,900	21,800	5,400	2,600	14,500	67,000	157,275	39,851	23,171	287,907
2011*	0	200	100	0	100	0	2,700	1,400	0	100	300	9,300	4,500	7,500	8,700	6,500	4,800	46,200	114,903	43,537	22,791	227,427
2012*	0	100	0	500	500	400	7,700	1,700	0	1,300	1,400	22,000	5,100	78,400	12,100	2,800	18,900	153,100	307,579</			

Estimates of Ring-necked Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	800	600	0	200	0	0	3,900	2,100	0	1,900	400	600	8,600	14,600	10,700	24,400	78,800	147,500	264,504	94,044	47,040	553,100
2000	800	400	0	200	100	0	1,900	600	200	400	200	900	8,900	17,000	17,100	17,300	29,500	95,500	257,504	108,912	34,267	496,154
2001	600	200	100	100	200	0	2,700	2,300	0	300	100	1,200	4,400	8,800	13,500	9,400	45,500	89,500	230,669	79,473	38,507	438,133
2002	1,600	500	0	200	200	0	4,500	1,200	0	1,100	100	4,100	9,100	11,900	13,200	4,600	44,400	96,600	239,063	73,501	35,960	445,152
2003*	500	500	100	200	100	0	4,300	900	0	200	600	2,900	16,900	16,300	20,200	11,900	37,100	112,800	230,202	62,363	36,326	441,697
2004*	500	700	100	300	0	100	4,900	2,200	0	200	300	4,900	10,800	5,700	6,100	3,600	34,100	74,300	233,979	66,851	58,350	433,530
2005*	700	700	200	300	400	0	3,400	1,800	0	300	1,300	700	10,300	17,200	12,700	8,000	50,900	109,000	240,090	76,343	49,729	475,184
2006*	1,300	300	1,000	300	200	100	4,600	3,100	0	200	1,200	800	9,500	22,500	30,700	23,600	45,100	144,500	353,704	87,114	71,264	656,574
2007*	300	300	300	100	700	0	2,900	3,800	0	200	800	3,800	15,300	22,600	10,900	9,600	49,000	120,800	241,239	75,796	65,642	503,433
2008*	700	700	400	100	300	0	1,000	500	0	300	900	2,800	12,500	16,500	23,700	10,800	60,600	131,800	251,356	67,090	50,427	500,592
2009*	1,800	1,300	300	100	100	100	2,700	500	0	600	600	1,900	10,000	16,200	27,300	24,700	28,600	116,500	186,242	68,939	38,024	409,650
2010*	1,700	1,500	100	100	100	100	2,500	1,500	0	0	900	1,200	8,600	14,800	13,500	9,000	38,800	94,300	268,411	67,176	60,390	491,083
2011*	500	800	100	500	400	0	5,300	1,000	0	100	400	2,600	5,100	22,900	3,900	16,300	92,200	152,100	259,457	86,517	46,242	544,348
2012*	600	200	0	300	200	0	2,400	700	0	100	300	800	7,500	23,000	26,600	15,200	101,700	179,600	324,658	79,329	67,874	651,443
2013*	1,200	700	100	0	100	0	3,000	800	0	400	400	900	12,900	14,200	17,100	8,100	83,000	143,100	240,898	66,950	46,647	497,572
2014*	600	200	0	100	0	0	2,600	2,000	0	100	300	900	5,000	16,300	12,400	12,500	64,900	117,800	250,727	83,392	46,106	498,057
2015*	200	200	100	300	200	0	1,300	1,100	100	0	300	800	5,600	23,700	16,800	12,700	66,900	130,200	183,500	55,600	44,300	413,600
Averages																						
1999-2000	800	500	0	200	100	0	2,900	1,400	100	1,200	300	800	8,800	15,800	13,900	20,900	54,200	121,500	261,000	101,500	40,700	524,600
2001-05	800	500	100	200	200	0	4,000	1,700	0	400	500	2,800	10,300	12,000	13,100	7,500	42,400	96,400	234,800	71,700	43,800	446,700
2006-10	1,200	800	400	100	300	100	2,700	1,900	0	300	900	2,100	11,200	18,500	21,200	15,500	44,400	121,600	260,200	73,200	57,100	512,300
2011-15	600	400	100	200	200	0	2,900	1,100	0	100	300	1,200	7,200	20,000	15,400	13,000	81,700	144,600	251,800	74,400	50,200	521,000

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: RNDU-COGO-BUFF

Estimates of Common Goldeneye Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	1,000	1,000	0	200	100	200	5,700	200	0	100	0	600	0	100	0	0	300	9,700	22,586	3,208	19,250	54,734
2000	1,100	200	200	200	100	100	6,300	700	0	900	0	1,200	400	0	0	0	100	11,500	18,055	8,150	25,172	62,916
2001	700	600	0	100	100	200	3,500	300	0	100	0	400	100	0	0	0	0	6,000	23,406	6,475	15,359	51,337
2002	400	2,200	200	100	300	300	6,000	900	0	300	100	1,000	400	0	0	0	0	12,200	35,660	8,387	37,046	93,276
2003*	400	900	200	200	700	300	9,700	400	0	200	0	100	200	0	0	200	0	13,400	28,299	11,777	47,202	100,717
2004*	1,700	1,400	100	500	300	400	5,600	1,200	0	200	100	1,000	400	200	0	0	0	13,000	30,290	7,888	30,215	81,429
2005*	3,800	1,900	100	100	400	100	8,500	800	0	0	0	2,100	900	0	0	0	100	18,800	23,421	3,380	31,055	76,695
2006*	2,000	600	0	100	100	0	6,200	1,500	0	100	0	1,000	1,000	0	0	0	0	12,500	19,907	7,860	40,988	81,496
2007*	1,600	300	100	200	700	200	7,800	2,500	0	100	200	900	0	100	0	0	0	14,700	26,476	8,215	32,889	82,321
2008*	2,200	1,300	400	300	300	200	8,700	1,300	0	100	100	700	200	0	0	0	0	15,800	29,540	5,021	35,963	86,412
2009*	1,400	1,800	0	100	100	100	7,400	300	0	100	0	1,000	400	100	0	0	0	13,000	30,015	5,486	40,222	88,640
2010*	300	2,000	0	200	100	100	9,800	300	0	300	0	500	400	300	0	0	100	14,400	33,578	9,077	20,835	80,859
2011*	300	1,300	0	1,300	0	0	8,000	200	0	100	100	1,000	0	0	0	0	0	12,500	39,306	9,888	36,317	97,985
2012*	600	700	0	500	0	200	8,700	600	0	0	0	1,000	500	0	0	0	0	12,700	26,055	13,708	30,326	82,776
2013*	700	3,200	100	100	100	500	8,200	1,200	0	0	0	100	400	0	0	0	100	14,700	29,593	10,314	32,048	86,645
2014*	500	1,500	100	200	0	200	3,400	300	0	300	0	200	300	500	0	0	200	7,700	32,910	6,785	34,315	81,894
2015*	500	500	0	0	200	200	4,400	400	0	0	100	0	400	0	100	0	0	6,800	25,100	6,300	20,000	58,200
Averages																						
1999-2000	1,100	600	100	200	100	200	6,000	500	0	500	0	900	200	100	0	0	200	10,600	20,300	5,700	22,200	58,800
2001-05	1,400	1,400	100	200	400	300	6,700	700	0	200	0	900	400	0	0	0	0	12,700	28,200	7,600	32,200	80,700
2006-10	1,500	1,200	100	200	300	100	6,000	1,200	0	100	100	800	400	100	0	0	0	14,100	27,900	7,100	34,200	83,800
2011-15	500	1,400	0	400	100	200	6,500	500	0	100	0	500	300	100	0	0	100	10,900	30,600	9,400	30,600	81,500

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: RNDU-COGO-BUFF

Estimates of Bufflehead Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	3,100	200	200	1,200	1,000	800	7,600	1,800	0	7,300	700	5,000	16,500	13,800	400	0	1,600	61,300	96,368	12,129	30,497	200,305
2000	3,600	400	100	2,200	1,500	700	6,400	2,200	0	6,000	1,400	10,100	6,500	5,800	800	400	300	48,300	48,726	13,386	20,611	131,055
2001	2,000	100	300	1,800	400	800	3,300	4,700	0	3,800	1,500	11,500	3,600	5,100	1,000	0	400	40,400	61,896	14,275	28,871	145,435
2002	1,400	300	200	700	500	400	11,100	6,400	0	9,800	2,000	9,100	6,500	9,800	1,100	800	600	60,800	79,259	11,130	27,901	179,065
2003*	800	200	100	800	500	1,100	13,400	3,000	0	8,400	700	10,200	7,700	5,200	1,600	500	100	54,600	75,905	9,564	36,667	176,706
2004*	1,800	100	0	2,100	200	300	8,100	5,200	0	6,500	900	8,700	12,200	3,700	600	500	1,200	52,300	59,788	13,436	45,567	171,058
2005*	1,600	200	200	1,200	500	400	9,100	2,100	0	8,800	900	9,000	8,100	10,000	2,000	1,300	800	55,900	42,023	14,514	29,234	141,713
2006*	800	300	100	1,300	900	200	7,600	4,700	0	8,200	900	14,300	10,500	7,900	1,600	1,200	500	60,900	78,889	15,509	36,038	191,362
2007*	1,700	100	200	1,000	1,800	800	13,500	9,700	100	10,800	2,400	17,500	5,900	9,200	1,300	3,000	500	79,300	60,384	13,576	44,188	197,487
2008*	2,200	100	500	2,300	1,100	500	12,700	6,500	100	5,600	3,800	22,800	8,600	13,400	1,800	2,200	700	84,700	101,118	14,459	42,729	243,010
2009*	3,000	400	600	2,100	1,000	600																

Estimates of Common Merganser Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	700	200	100	200	0	0	1,400	2,900	0	400	0	300	0	0	0	0	0	6,300	4,792	344	2,691	14,140
2000	1,400	100	400	100	200	100	2,700	2,400	0	800	200	700	0	100	0	0	0	9,100	3,719	1,292	8,305	22,379
2001	700	200	100	100	200	0	800	1,600	0	0	0	100	0	0	0	0	0	3,900	4,539	1,543	4,554	14,498
2002	1,000	600	200	300	200	0	1,300	6,300	0	300	100	1,200	500	300	0	0	0	12,200	8,214	2,458	3,359	26,192
2003*	1,600	600	200	100	100	100	3,800	4,400	0	0	0	900	300	0	0	0	0	12,000	5,393	2,106	7,069	26,606
2004*	100	400	100	900	100	0	2,700	3,900	0	200	100	900	100	0	0	0	0	9,400	4,725	1,462	6,544	22,122
2005*	600	200	200	300	400	0	1,400	2,100	0	200	300	500	100	0	0	0	0	6,300	3,448	301	3,925	13,954
2006*	1,600	200	400	200	300	0	1,800	1,400	0	100	0	700	0	0	0	0	0	6,700	3,415	1,877	5,256	17,270
2007*	900	200	100	300	400	100	2,300	3,100	0	0	100	800	300	100	0	0	0	8,800	2,089	687	7,884	19,430
2008*	400	100	200	100	200	0	2,600	6,100	0	400	300	400	0	0	200	0	100	11,000	4,296	302	5,716	21,378
2009*	400	500	100	300	40	70	2,300	3,300	200	300	90	1,800	200	0	0	0	0	9,600	1,892	1,180	5,179	17,880
2010*	200	500	0	400	100	0	3,500	4,100	100	400	0	700	1,200	0	0	0	0	11,400	2,031	499	4,103	18,600
2011*	100	200	300	900	0	0	1,800	1,300	300	100	0	200	400	0	0	0	0	5,600	7,243	696	4,181	17,698
2012*	400	300	200	100	200	0	1,600	3,300	300	0	300	200	0	0	0	0	0	7,000	1,284	759	6,419	15,454
2013*	200	200	100	0	100	100	2,100	2,900	100	600	100	700	200	200	0	0	0	7,600	5,956	1,049	4,078	18,671
2014*	200	300	0	300	200	100	1,600	800	0	100	0	600	200	0	0	0	0	4,400	6,464	904	7,316	19,056
2015*	300	200	200	100	100	0	1,100	3,000	0	0	100	100	100	200	0	0	0	5,500	4,100	300	4,600	14,500
Averages																						
1999-2000	1,100	200	300	200	100	100	2,100	2,700	0	600	100	500	0	100	0	0	0	7,700	4,300	800	5,500	18,300
2001-05	800	400	200	300	200	0	2,000	3,700	0	100	100	700	200	100	0	0	0	8,800	5,300	1,600	5,100	20,700
2006-10	700	300	200	300	200	0	2,500	3,600	100	200	100	900	300	0	0	0	0	9,500	2,700	900	5,600	18,900
2011-15	200	200	200	300	100	0	1,600	2,300	100	200	100	400	200	100	0	0	0	6,000	5,000	700	5,300	17,100

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: COME-RBME-HOME

Estimates of Red-breasted Merganser Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	1,200	0	400	600	600	0	1,600	0	0	1,500	400	0	1,700	400	0	0	300	8,800	3,380	756	610	13,525
2000	0	0	100	0	1,300	200	1,000	100	0	700	200	700	1,000	100	0	0	0	5,600	3,254	1,013	1,264	11,114
2001	100	0	100	300	600	1,100	1,400	300	0	900	600	100	400	0	100	200	100	6,400	2,922	964	601	10,913
2002	200	200	0	400	400	1,800	1,900	100	0	2,000	0	500	900	100	200	0	100	8,900	2,649	1,272	337	13,173
2003*	200	200	100	300	300	1,400	1,800	400	0	1,100	0	500	2,600	600	1,000	0	400	10,800	4,040	173	2,470	17,469
2004*	200	200	0	700	700	700	3,000	100	0	1,000	0	800	1,900	700	0	0	400	10,300	4,083	1,696	935	17,050
2005*	1,200	0	100	600	600	400	3,600	200	0	900	100	200	200	3,600	0	0	100	11,800	716	764	806	14,067
2006*	1,300	0	0	700	800	300	2,100	100	0	1,900	400	600	2,000	1,900	700	200	0	13,100	2,782	114	1,037	17,011
2007*	700	0	0	200	1,000	400	2,100	400	0	1,000	300	500	100	700	300	0	0	7,600	2,581	736	2,716	12,940
2008*	900	0	300	1,300	1,200	500	3,400	0	0	800	400	900	700	400	200	0	0	10,800	3,843	392	1,446	16,505
2009*	700	0	1,200	1,200	200	1,000	3,800	0	0	300	200	0	1,500	300	500	1,400	400	12,700	5,641	139	4,373	22,834
2010*	100	0	0	700	300	1,300	2,700	0	0	1,500	0	0	400	400	200	0	100	7,900	3,224	303	721	12,109
2011*	100	200	100	1,000	100	100	4,000	300	0	500	100	700	1,600	200	500	0	600	10,300	6,125	286	746	17,447
2012*	0	100	0	1,100	400	500	3,500	400	0	900	200	200	300	3,400	800	0	400	12,200	5,930	422	1,139	19,659
2013*	100	200	0	600	200	900	2,100	600	0	900	0	300	400	1,500	200	0	400	8,300	7,218	0	911	16,452
2014*	100	100	0	500	100	300	2,000	100	0	500	0	200	800	300	0	100	100	5,200	6,347	558	1,243	13,349
2015*	100	0	0	100	100	600	900	300	0	500	0	200	400	1,300	100	0	600	5,100	19,900	2,100	700	27,800
Averages																						
1999-2000	600	0	300	300	1,000	100	1,300	100	0	1,100	300	400	1,400	300	0	0	200	7,200	3,300	900	900	12,300
2001-05	400	100	100	500	500	1,100	2,300	200	0	1,200	100	400	1,200	1,000	300	0	200	9,600	2,900	1,000	1,000	14,500
2006-10	700	0	300	800	700	700	2,800	100	0	1,100	300	400	900	700	400	300	100	10,400	3,600	300	2,100	16,300
2011-15	100	100	0	700	200	500	2,500	300	0	700	100	300	700	1,300	300	0	400	8,200	9,100	700	900	18,900

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: COME-RBME-HOME

Estimates of Hooded Merganser Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	1,600	100	100	100	300	100	2,000	3,100	100	2,300	800	1,400	3,800	6,300	1,400	2,900	2,900	29,300	46,578	12,798	4,087	93,451
2000	1,400	200	200	0	400	200	1,800	1,900	0	2,400	400	1,500	3,900	8,000	5,700	3,300	4,700	36,000	44,926	8,450	4,984	94,321
2001	1,700	100	600	300	200	300	700	4,700	0	2,100	100	800	3,300	2,900	5,400	2,700	2,300	28,100	43,508	9,454	4,602	85,670
2002	1,200	100	400	300	200	200	2,100	4,300	0	4,200	600	1,800	4,000	4,100	5,100	1,200	1,700	31,800	58,937	9,987	2,832	103,546
2003*	800	100	300	600	100	300	3,100	2,100	0	4,700	500	1,100	4,500	3,000	3,700	3,100	1,300	29,200	51,703	7,132	5,488	93,507
2004*	700	200	200	400	100	100	2,000	3,600	0	1,400	700	1,900	3,200	3,100	3,100	2,100	2,500	25,700	47,470	6,065	3,998	83,223
2005*	600	100	200	300	100	300	3,000	2,500	100	1,700	400	1,400	3,700	8,600	6,300	2,000	3,000	34,000	30,455	8,592	4,235	77,318
2006*	1,400	200	500	400	400	400	2,100	2,500	0	2,400	900	1,800	4,800	4,900	6,400	7,400	900	37,200	37,241	5,320	2,857	82,600
2007*	2,000	300	400	300	1,100	400	2,500	4,900	100	2,300	500	2,500	5,900	8,100	3,500	2,200	1,200	38,100	38,688	7,479	6,930	91,230
2008*	1,800	600	200	400	600	400	4,200	3,000	100	2,000	500	2,600	4,900	6,700	5,200	3,900	1,300	38,200	38,038	8,940	4,390	89,578
2009*	2,500	400	400	700	300	600	4,100	1,000	100	2,000	500	2,200	5,500	6,800	7,400	7,000	700	42,100	41,645	6,832	5,764	96,241
2010*	900	100	500	300	200	800	3,100	1,500	300	2,200	700	2,900	6,600	7,100	3,800	3,200	2,000	36,100	45,988	7,433	6,317	95,886
2011*	1,000	200	400	800	0	0	2,500	1,800	100	1,600	600	2,300	6,100	5,600	4,600	6,000	1,500	35,000	53,766	13,556	8,500	110,813
2012*	1,500	100	600	800	300	200	2,300	1,900	100	2,300	600	1,300	4,00									

Estimates of Long-tailed Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	900	0	0	400	3,100	0	1,300	0	0	800	0	7,500	500	100	0	0	100	14,700	242	-	147	15,107
2000	2,000	100	0	200	2,700	0	1,900	100	0	1,100	600	2,600	1,500	100	0	0	0	12,900	722	-	0	13,604
2001	900	100	200	300	2,200	0	1,600	200	0	1,400	0	6,500	6,700	0	0	0	0	20,000	193	-	0	20,238
2002	1,500	0	0	0	2,400	0	4,300	300	0	0	0	5,900	500	0	0	0	0	14,900	436	-	416	15,803
2003*	2,600	100	100	100	4,300	0	3,200	100	0	1,400	0	2,100	3,400	0	300	0	0	17,600	2,023	-	1,243	20,893
2004*	1,800	0	0	500	4,700	0	6,200	100	0	2,000	0	1,500	3,900	0	0	0	0	20,900	4,928	-	473	26,356
2005*	700	300	0	300	400	0	4,600	100	0	1,300	0	5,200	1,600	200	200	0	0	15,000	4,928	-	84	20,181
2006*	1,800	0	0	500	100	0	5,500	0	0	600	0	8,500	1,000	200	0	0	0	18,200	9,071	-	516	27,783
2007*	1,000	0	0	100	800	0	10,600	300	0	3,200	700	8,300	1,000	400	0	0	0	26,500	2,839	-	686	30,047
2008*	4,300	0	100	1,100	3,100	100	9,100	0	0	900	200	8,300	1,300	200	0	0	0	28,700	7,690	-	486	37,012
2009*	700	100	0	0	1,700	0	5,700	0	0	300	200	4,800	1,900	0	0	0	0	15,300	5,530	-	1,392	22,982
2010*	2,300	100	0	100	800	0	7,000	0	0	2,100	0	2,600	800	0	0	0	0	15,800	9,740	-	656	26,241
2011*	2,700	100	400	100	1,300	0	2,500	0	0	600	0	1,900	900	200	0	0	0	10,700	4,776	-	746	16,281
2012*	0	0	0	400	2,300	0	8,700	0	0	5,600	0	4,600	0	0	0	0	0	21,700	6,493	-	356	28,525
2013*	200	0	200	200	4,500	0	6,800	100	0	2,000	0	1,200	900	200	0	0	0	16,300	12,899	-	23	29,224
2014*	100	0	0	500	2,800	0	3,500	200	0	700	0	3,200	0	0	0	0	0	11,100	1,774	-	207	13,226
2015*	400	0	0	700	3,900	0	5,600	100	0	1,100	0	3,900	2,400	200	100	200	0	18,600	11,400	-	400	30,400
Averages																						
1999-2000	1,500	100	0	300	2,900	0	1,600	100	0	1,000	300	5,100	1,000	100	0	0	100	13,800	500	-	100	14,400
2001-05	1,500	100	100	200	2,800	0	4,000	200	0	1,200	0	4,200	3,200	0	100	0	0	17,700	2,500	-	400	20,700
2006-10	2,000	0	0	400	1,300	0	7,600	100	0	1,400	200	6,500	1,200	200	0	0	0	20,900	7,000	-	700	28,800
2011-15	700	0	100	400	3,000	0	5,400	100	0	2,000	0	3,000	800	100	0	0	0	15,700	7,500	-	300	23,500

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: LTDU-COEI-BLSC

Estimates of Common Eider Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	11,400	0	400	4,300	0	1,500	0	0	0	0	0	0	0	0	0	0	0	17,500	-	-	-	-
2000	26,900	0	300	4,300	0	0	0	0	0	0	0	0	0	0	0	0	0	31,500	-	-	-	-
2001	10,900	0	400	6,100	0	1,400	0	0	0	0	0	0	0	0	0	0	0	18,800	-	-	-	-
2002	11,300	0	1,300	2,300	0	700	200	0	0	0	0	0	0	0	0	0	0	15,800	-	-	-	-
2003*	28,700	0	600	3,100	0	1,100	600	0	0	200	0	0	0	0	0	0	0	34,400	-	-	-	-
2004*	14,700	0	200	5,700	0	800	0	0	0	0	0	200	0	0	0	0	0	21,600	-	-	-	-
2005*	10,800	0	200	8,300	0	3,100	500	0	0	0	0	0	0	0	0	0	0	22,800	-	-	-	-
2006*	18,100	0	0	5,400	0	1,600	400	0	0	0	0	0	0	0	0	0	0	25,500	-	-	-	-
2007*	13,100	0	500	3,400	100	1,300	0	0	0	0	200	0	0	0	0	0	0	18,500	-	-	-	-
2008*	10,900	0	100	3,900	0	700	0	0	0	0	0	0	0	0	0	0	0	15,600	-	-	-	-
2009*	4,400	0	200	8,400	200	1,600	1,300	0	0	0	0	0	0	0	0	0	0	16,100	-	-	-	-
2010*	4,500	0	600	5,000	900	1,100	500	0	0	400	0	0	0	0	0	0	0	13,100	-	-	-	-
2011*	6,200	0	800	5,700	0	200	300	0	0	0	0	0	0	0	0	0	0	13,300	-	-	-	-
2012*	5,200	0	300	5,800	0	400	100	0	0	0	0	0	0	0	0	0	0	11,700	-	-	-	-
2013*	3,100	0	200	3,500	0	600	400	0	0	0	0	0	0	0	0	0	0	7,800	-	-	-	-
2014*	1,000	0	1,500	3,600	0	600	6,500	0	0	200	0	0	0	0	0	0	0	13,400	-	-	-	-
2015*	900	0	0	1,800	0	400	800	0	0	0	0	0	0	0	0	0	0	3,900	-	-	-	3,900
Averages																						
1999-2000	19,200	0	400	4,300	0	800	0	0	0	0	0	0	0	0	0	0	0	24,500	-	-	-	-
2001-05	15,300	0	500	5,100	0	1,400	300	0	0	0	0	0	0	0	0	0	0	22,700	-	-	-	-
2006-10	10,200	0	300	5,200	200	1,300	400	0	0	100	0	0	0	0	0	0	0	17,800	-	-	-	-
2011-15	3,300	0	600	4,100	0	400	1,600	0	0	0	0	0	0	0	0	0	0	10,000	-	-	-	3,900

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: LTDU-COEI-BLSC

Estimates of Black Scoter Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	900	0	100	0	0	0	1,000	100	0	800	0	2,900	0	800	0	0	100	6,800	1,113	-	741	8,866
2000	400	0	200	500	0	600	400	0	0	1,100	0	900	400	100	0	0	0	4,700	1,051	-	0	5,702
2001	1,200	0	400	200	0	100	0	200	0	0	0	1,000	0	500	0	0	0	3,700	865	-	0	4,556
2002	1,200	0	400	300	0	200	1,800	300	0	2,600	0	500	1,100	300	0	0	0	8,500	785	-	0	9,308
2003*	7,400	0	800	600	0	800	900	200	0	700	0	2,400	700	2,900	400	0	0	17,800	1,778	-	811	20,435
2004*	1,500	0	0	900	0	400	300	200	0	600	0	5,300	400	1,800	0	0	0	11,400	889	-	1,360	13,800
2005*	1,200	100	100	1,100	200	600	600	0	0	1,400	0	6,500	800	3,400	800	0	0	16,900	2,537	-	1,140	20,530
2006*	400	0	600	800	100	600	200	0	0	300	0	3,600	0	1,900	0	0	0	8,500	619	-	215	9,644
2007*	500	0	0	400	0	500	0	100	0	300	400	0	0	4,500	400	200	0	7,500	1,528	-	0	9,122
2008*	500	0	300	200	0	200	400	0	0	600	100	0	1,300	1,600	0	0	0	5,200	882	-	194	6,249
2009*	300	0	200	0	500	0	1,800	400	0	1,800	200	500	0	2,300	0	0	0	7,900	176	-	1,183	9,613
2010*	300	0	0	600	200	100	3,300	200	0	400	200	4,800	200	2,900	1,200	500	0	14,900	611	-	0	16,111
2011*	0	400	2,500	300	0	0	1,900	0	0	0	1,000	300	0	7,500	0	0	0	14,000	442	-	167	14,632
2012*	1,400	100	1,000	100	0	0	200	0	0	500	200	2,300	0	2,600	2,900	0	300	11,600	407	-	0	12,042
2013*	800	200	700	0	0	200	2,900	300	0	2,300	0	9,100	200	3,400	0	0	1,200	21,200	260	-	2,179	23,658
2014*	300	0	0	200	0	100	600	0	0	1,900	0	3,600	0	1,200	0	0	0	7,800	1,339	-	0	9,327
2015*	0	0	0	200	0	200	200	0	0	2,200	0	5,100	0	6,100	1,300	0	1,600	16,900	300	-	500	17,700
Averages																						
1999-2000	700	0	200	300	0	300	700	100	0	1,000	0	1,900	200	500	0	0	100	5,800	1,100	-	400	7,300
2001-05	2,500	0	300	600	0	400	700	200	0	1,100	0	3,100	600	1,800	200	0	0	11,700	1,400	-	700	13,700
2006-10	400	0	200	400	200	300	1,100	100	0	700	200	1,800	300	2,600	300	100	0	8,800	800	-		

Estimates of White-winged Scoter Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	600	0	100	300	0	0	500	0	0	0	0	0	500	0	0	0	0	2,000	0	182	1,128	3,354
2000	1,800	0	500	1,900	0	0	200	0	0	0	0	200	0	0	0	0	0	4,600	0	86	1,225	5,922
2001	1,200	0	400	600	0	500	3,200	600	0	0	0	1,000	0	0	0	0	0	7,700	1,529	0	3,369	12,563
2002	500	0	200	1,100	0	0	1,200	100	0	0	1,300	1,300	500	0	0	0	0	6,300	813	212	831	8,113
2003*	1,400	100	600	1,700	0	300	1,400	0	0	0	0	300	1,000	100	0	0	0	6,800	1,903	159	2,221	11,106
2004*	1,100	0	0	1,500	0	400	2,800	0	0	0	0	200	0	100	0	0	0	6,100	2,878	0	795	9,730
2005*	400	100	200	1,000	0	500	1,100	0	0	100	0	500	0	200	0	0	0	4,200	794	113	1,426	6,547
2006*	1,500	100	0	1,600	0	400	2,000	0	0	400	200	2,300	300	0	0	0	0	8,700	698	0	2,865	12,288
2007*	500	0	0	900	100	0	2,100	300	0	100	0	200	0	100	0	0	0	4,300	1,218	0	2,497	8,010
2008*	1,500	0	400	2,900	0	0	800	0	0	100	0	0	0	0	0	0	0	5,600	336	0	1,653	7,632
2009*	100	0	200	100	100	0	1,900	0	0	0	0	200	0	200	0	0	0	2,900	1,777	172	3,933	8,742
2010*	300	0	400	1,100	700	0	2,200	0	0	200	0	400	0	100	0	0	0	5,400	1,118	0	320	7,395
2011*	0	200	800	300	200	0	1,700	100	0	200	0	0	0	0	0	0	0	3,600	3,965	0	4,240	11,780
2012*	900	100	100	0	0	100	0	0	0	0	0	300	0	300	0	0	0	1,800	2,362	181	178	4,561
2013*	200	0	300	0	0	100	2,800	0	0	100	0	400	200	900	0	0	400	5,400	1,482	0	193	7,109
2014*	600	0	0	700	0	0	700	100	0	0	0	600	0	200	0	0	0	2,900	4,827	118	1,356	9,206
2015*	100	0	0	500	0	100	1,600	200	0	0	0	500	0	200	0	0	0	3,100	1,500	100	2,800	7,500
Averages																						
1999-2000	1,200	0	300	1,100	0	0	400	0	0	0	0	100	300	0	0	0	0	3,300	0	100	1,200	4,600
2001-05	900	0	300	1,200	0	300	1,900	100	0	300	700	300	100	0	0	0	0	6,200	1,600	100	1,700	9,600
2006-10	800	0	200	1,300	200	100	1,800	100	0	200	0	600	100	100	0	0	0	5,400	1,000	0	2,300	8,800
2011-15	400	100	200	300	0	100	1,400	100	0	100	0	400	0	300	0	0	100	3,400	2,800	100	1,800	8,000

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: WWSC-SUSC-RUDU

Estimates of Surf Scoter Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	1,900	0	100	300	0	0	500	0	0	800	0	1,600	2,600	700	0	0	100	8,600	3,028	182	2,777	14,620
2000	3,000	0	300	300	0	600	200	0	0	400	0	6,100	1,900	0	0	0	0	12,800	271	70	3,694	16,833
2001	1,000	0	0	200	0	200	3,100	200	0	1,100	0	8,500	0	900	0	0	0	15,000	332	80	1,478	16,934
2002	1,800	0	0	200	100	100	600	0	0	0	0	5,400	6,000	300	0	0	100	14,500	950	120	2,726	18,308
2003*	5,900	100	400	1,500	100	100	1,500	0	0	900	600	14,000	6,700	6,400	100	0	0	38,500	1,145	173	383	40,209
2004*	1,700	0	0	1,000	1,800	100	1,800	700	0	300	900	13,300	7,000	2,200	0	0	0	30,800	520	117	3,186	34,643
2005*	500	100	200	1,100	1,100	500	1,400	100	0	1,000	900	8,200	5,900	700	0	0	0	21,100	1,591	0	4,272	26,920
2006*	300	0	400	1,000	200	200	1,100	0	0	300	800	13,100	9,800	1,900	0	0	0	29,100	566	83	2,304	32,032
2007*	700	0	500	1,000	100	300	2,100	0	0	200	1,400	9,400	8,500	4,600	0	200	0	29,000	1,691	182	6,097	37,003
2008*	2,000	100	200	1,200	0	100	200	200	0	500	1,400	8,300	9,300	5,800	0	0	0	29,300	367	0	10,699	40,382
2009*	500	0	700	800	500	0	1,700	0	0	1,300	1,300	10,600	4,900	3,800	0	0	0	25,900	1,646	113	6,248	33,922
2010*	500	0	1,000	800	300	0	900	200	0	800	400	1,500	4,200	2,200	500	0	0	13,500	1,407	129	6,487	22,682
2011*	700	100	700	600	400	0	1,000	0	0	800	0	8,300	8,300	6,700	0	0	0	27,700	1,607	0	6,329	35,675
2012*	900	100	100	400	1,200	100	8,000	0	0	1,700	800	3,700	6,300	1,300	300	0	0	24,900	1,220	283	9,263	35,709
2013*	800	100	300	100	0	0	3,700	0	0	900	0	3,300	1,700	1,500	0	0	0	12,300	1,350	0	3,208	16,852
2014*	0	0	0	400	200	0	800	0	0	1,400	600	6,300	9,300	700	0	0	0	20,600	3,143	167	1,380	25,267
2015*	100	100	0	1,200	0	0	1,000	100	0	3,000	1,200	8,300	4,700	3,600	0	0	0	23,200	1,400	100	1,800	26,400
Averages																						
1999-2000	2,500	0	200	300	0	300	400	0	0	600	0	3,900	2,300	400	0	0	100	10,700	1,600	100	3,200	15,700
2001-05	2,200	0	100	800	600	200	1,700	200	0	700	500	9,900	5,000	2,100	0	0	0	24,000	900	100	2,400	27,400
2006-10	800	0	600	1,000	200	100	1,200	100	0	600	1,100	8,600	7,300	3,700	100	0	0	25,400	1,100	100	6,400	33,200
2011-15	500	100	200	500	400	0	2,900	0	0	1,600	500	6,000	6,100	2,800	100	0	0	21,700	1,700	100	4,400	28,000

* Preliminary estimates C:\Data Book\Atlantic\Harvest Estimates\HIP Ducks.xls Sheet: WWSC-SUSC-RUDU

Estimates of Ruddy Duck Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF	MF	CF	PF	U.S.
1999	0	0	0	0	500	0	500	2,700	0	4,600	100	1,000	1,600	11,400	0	800	5,900	29,200	16,404	7,409	11,607	64,607
2000	0	0	0	0	100	0	100	500	0	700	300	300	300	2,100	100	600	5,900	11,000	6,418	5,906	2,863	26,217
2001	0	100	0	0	0	0	200	500	0	400	100	1,200	0	2,900	0	800	1,100	7,200	4,608	4,073	5,452	21,339
2002	0	0	0	0	0	0	100	1,200	0	500	0	2,200	700	900	100	300	1,200	7,300	4,479	2,020	2,879	16,665
2003*	0	0	0	0	0	0	100	300	0	300	100	700	200	500	0	0	400	2,500	10,943	1,748	5,632	20,797
2004*	100	0	0	0	0	0	100	1,000	0	200	300	600	1,000	1,000	0	0	100	4,300	5,227	2,009	6,428	17,971
2005*	0	200	0	0	0	0	400	800	0	300	300	800	300	6,600	200	500	1,300	11,700	4,234	2,489	5,742	24,175
2006*	100	0	0	0	0	0	100	200	0	300	100	1,000	800	1,700	0	2,200	500	7,000	20,251	4,918	7,415	39,609
2007*	100	0	0	100	0	100	400	1,600	0	200	100	1,400	700	2,400	0	1,200	500	8,700	10,891	3,837	6,130	29,538
2008*	0	0	0	100	0	0	100	500	0	400	600	2,200	800	5,200	200	300	1,500	11,900	10,970	2,485	4,880	30,195
2009*	0	0	0	0	0	0	0	500	0	200	0	1,300	900	4,600	500	500	900	9,300	12,243	6,711	6,536	34,765
2010*	100	0	0	0	0	0	200	1,200	0	400	500	2,400	1,900	5,000	2,800	5,300	1,500	21,400	8,196	8,427	17,048	55,098
2011*	100	0	0	200	0	0	100	100	0	100	100	300	0	200	500	3,000	700	5,500	21,717	10,050	9,449	46,746
2012*	0	0	0	0	0	200	300	700	100	800	0	1,900	2,100	3,100	3,400	0	1,800	14,400	20,443	5,311	10,734	50,885
2013*	0	0	0	0	200	0	400	500	0	300	100	800	1,300	3,200	2,200	400	4,900	14,400	8,933	7,332	15,666	46,285
2014*	0	0	0	0	0	0	100	600	0	400	0	500	1,100	6,100	1,300	2,800	4,600	17,400	20,930	10,124	12,615	61,070
2015*	0	0	0	0	0	0	100	300	100	100	200	100	600	3,400	800	200	700					

Estimated harvest of selected duck species during the September Duck Season in Florida, based on the Mail Questionnaire Survey (1981-2001) and the Harvest Information Program (1999-2015).

Year	Mottled duck	Green-winged teal	Blue-winged/ cinnamon teal	Wood duck	Ring-necked duck
Mail Questionnaire Survey					
1981	3,000	300	5,700	4,900	500
1982	0	0	0	0	0
1983	2,200	0	11,600	8,200	100
1984	5,900	300	14,100	12,500	300
1985	2,100	300	12,900	5,100	100
1986	2,600	100	7,700	8,200	100
1987	3,700	200	7,800	9,100	400
1988	0	0	0	4,000	0
1989	0	0	0	1,700	0
1990	0	0	0	4,200	0
1991	0	0	0	8,500	0
1992	0	100	3,000	3,100	0
1993	0	0	3,400	11,800	0
1994	0	0	4,200	2,200	0
1995	0	100	7,800	7,600	100
1996	0	200	14,700	7,500	0
1997	0	400	19,700	11,200	100
1998	0	200	8,000	10,300	0
1999	0	100	9,400	7,700	0
2000	0	0	10,200	4,500	0
2001	0	0	7,800	3,200	500
Harvest Information Program					
1999	0	100	9,600	7,100	0
2000	0	0	13,600	4,700	0
2001	0	0	8,000	3,200	400
2002	0	0	9,200	3,600	0
2003*	0	0	5,100	1,100	0
2004*	0	0	2,600	1,100	0
2005*	100	0	7,900	1,700	0
2006*	0	0	7,800	1,700	0
2007*	0	0	8,200	2,300	0
2008*	0	0	1,700	1,300	0
2009*	0	200	7,500	1,200	0
2010*	0	0	15,300	4,500	0
2011*	0	0	9,400	1,600	0
2012*	0	100	8,800	600	0
2013*	0	0	8,500	900	0
2014*	0	0	11,000	2,600	0
2015*	0	0	10,300	2,300	0
Averages					
Mail Questionnaire Survey					
1981-85	2,600	200	8,900	6,100	200
1986-90	1,300	60	3,100	5,400	100
1991-95	0	40	3,700	6,600	20
1996-2000	0	200	12,400	8,200	20
Harvest Information Program					
1999-2000	0	50	11,600	5,900	0
2001-05	20	0	6,600	2,100	80
2006-10	0	40	8,100	2,200	0
2011-15	0	20	9,600	1,600	0

* Preliminary estimates

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Sheet: Florida

Estimates of Canada Goose Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	3,300	3,300	4,500	11,900	20,300	3,300	80,400	151,600	5,500	18,600	5,000	27,800	34,700	29,100	10,000	12,500	1,000	422,900
2000	10,500	3,700	5,200	11,300	20,100	3,200	89,600	111,200	3,700	25,600	2,800	29,900	47,300	29,500	11,100	12,200	0	416,800
2001	5,200	4,400	3,800	11,800	18,100	3,700	91,500	219,700	4,900	22,600	10,900	152,400	53,900	46,000	16,000	26,100	1,200	692,100
2002	10,600	6,400	6,300	12,800	21,400	3,600	108,700	214,000	5,100	29,900	21,100	115,300	67,800	38,300	27,600	21,100	200	710,000
2003*	9,600	3,600	5,300	12,900	18,700	5,000	96,800	188,200	4,200	26,000	11,700	131,400	62,600	41,900	14,800	25,300	0	657,900
2004*	7,000	7,100	3,200	15,200	20,400	4,400	109,300	167,600	7,400	24,600	14,000	142,000	55,000	18,000	17,000	21,200	0	633,300
2005*	7,800	9,300	5,300	12,600	20,900	3,100	120,000	180,900	3,900	24,200	19,000	170,000	61,400	73,200	27,600	35,100	0	774,500
2006*	9,800	7,800	6,700	13,100	14,000	5,300	113,900	160,600	2,500	27,500	12,800	152,700	47,800	43,300	27,100	14,900	2,800	662,400
2007*	9,100	6,300	6,500	11,000	18,600	5,100	138,100	276,000	6,700	34,600	22,000	161,900	63,300	54,400	24,800	22,400	0	860,700
2008*	13,800	12,300	7,000	13,100	22,800	4,100	163,300	231,600	4,700	30,400	28,600	213,700	72,200	46,500	23,800	32,100	0	920,000
2009*	4,700	11,500	11,400	16,500	9,100	2,800	172,000	161,900	7,000	47,300	24,900	163,000	63,700	50,000	32,700	73,300	2,500	854,300
2010*	9,200	9,600	5,800	12,600	8,800	4,200	127,600	153,300	6,500	52,700	34,300	200,900	71,100	54,600	19,300	23,700	2,100	796,200
2011*	3,700	8,300	8,000	15,000	9,500	2,900	126,600	75,100	3,700	11,500	12,400	111,400	60,700	29,800	17,200	34,400	0	530,300
2012*	9,500	8,600	4,800	10,800	7,900	1,500	135,900	104,000	5,800	36,000	14,600	175,700	51,700	73,700	39,700	15,400	0	695,700
2013*	8,800	9,600	6,000	7,100	8,600	4,700	136,200	103,900	4,900	51,700	17,900	152,500	57,800	55,900	17,200	32,200	0	675,000
2014*	8,900	12,300	5,800	7,500	11,400	5,500	138,300	106,900	2,400	29,700	17,800	114,000	45,300	37,300	35,800	51,800	0	630,800
2015*	7,200	6,700	4,100	9,800	5,600	3,700	95,400	74,000	3,600	15,300	12,100	98,400	40,000	36,000	19,300	56,500	800	488,600
Averages																		
1999-2000	6,900	3,500	4,900	11,600	20,200	3,300	85,000	131,400	4,600	22,100	3,900	28,900	41,000	29,300	10,600	12,400	500	419,900
2001-05	8,000	6,200	4,800	13,100	19,900	4,000	105,300	194,100	5,100	25,500	15,300	142,200	60,100	43,500	20,600	25,800	300	693,600
2006-10	9,300	9,500	7,500	13,300	14,700	4,300	143,000	196,700	5,500	38,500	24,500	178,400	63,600	49,800	25,500	33,300	1,500	818,700
2011-15	7,600	9,100	5,700	10,000	8,600	3,700	126,500	92,800	4,100	28,800	15,000	130,400	51,100	46,500	25,800	38,100	200	604,100

* Preliminary estimates

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Sheet:

CAGO-SGRG-ATBR

Estimates of Snow/Ross's Goose Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	1,400	0	0	100	0	1,600	4,700	0	5,000	26,100	8,900	1,700	4,900	0	0	300	54,700
2000	600	4,400	0	0	0	0	1,400	10,500	0	8,600	34,400	10,700	1,000	400	0	300	0	72,300
2001	0	2,200	100	0	0	0	4,900	5,900	0	6,700	20,400	35,200	1,400	400	0	0	0	77,100
2002	0	1,200	0	0	0	0	3,100	1,900	0	5,400	14,800	11,800	1,000	300	0	0	0	39,400
2003*	500	3,400	0	0	0	0	3,900	5,700	0	4,400	12,200	5,300	100	600	0	0	0	36,100
2004*	0	1,700	0	0	0	0	4,500	3,600	0	2,900	12,400	5,400	800	0	200	0	0	31,500
2005*	100	400	0	0	0	0	8,800	8,300	0	3,700	6,500	5,800	100	2,400	0	0	0	36,100
2006*	0	100	0	0	0	0	7,100	11,400	0	5,000	7,000	1,800	1,000	0	0	0	0	33,300
2007*	0	500	0	0	0	0	10,100	12,000	0	6,900	8,100	10,800	1,000	1,300	0	0	1,500	52,200
2008*	0	2,100	0	100	100	0	6,800	10,000	0	5,100	14,900	16,100	2,300	700	600	0	0	59,000
2009*	0	100	0	0	0	0	3,300	6,800	0	900	14,000	4,300	100	0	0	0	0	29,600
2010*	0	0	0	100	0	0	4,400	2,200	0	4,100	3,200	3,600	700	0	0	0	0	18,300
2011*	0	100	100	0	0	0	1,600	21,700	0	4,100	2,600	5,900	300	1,000	0	0	0	37,600
2012*	100	0	0	0	0	0	1,400	11,200	0	4,700	7,000	12,700	300	0	0	300	0	37,700
2013*	0	0	0	0	0	0	4,000	5,300	0	1,300	9,200	10,400	100	0	0	0	0	30,500
2014*	0	40	0	0	50	0	1,800	2,300	0	1,800	1,200	6,000	1,100	6,100	800	400	0	21,700
2015*	100	0	0	0	100	0	7,400	2,300	0	700	1,500	7,700	500	900	0	0	0	21,200
Averages																		
1999-2000	300	2,900	0	0	100	0	1,500	7,600	0	6,800	30,300	9,800	1,400	2,700	0	200	200	63,500
2001-05	100	1,800	0	0	0	0	5,000	5,100	0	4,600	13,300	12,700	700	700	0	0	0	44,000
2006-10	0	600	0	0	0	0	6,300	8,500	0	4,400	9,400	7,300	1,000	400	100	0	300	38,500
2011-15	40	30	20	0	30	0	3,240	8,560	0	2,520	4,300	8,540	460	1,600	160	140	0	29,740

* Preliminary estimates

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Sheet:

CAGO-SGRG-ATBR

Estimates of Atlantic Brant Harvest in the Atlantic Flyway

Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOTAL
1999	0	0	0	100	0	300	2,900	0	0	6,700	1,500	200	1,700	4,900	0	0	0	18,300
2000	0	0	0	800	300	300	6,600	0	0	5,800	1,700	100	7,700	1,600	0	0	0	24,900
2001	0	200	0	900	300	600	6,600	100	0	6,800	300	800	3,500	4,700	0	40,739	0	24,900
2002	0	0	0	700	800	600	7,200	100	0	9,800	1,600	700	5,900	6,000	0	0	0	33,400
2003*	0	200	0	1,600	2,500	1,200	10,400	100	0	9,900	1,500	1,700	9,200	6,500	0	0	0	44,900
2004*	0	0	100	300	1,000	300	5,800	800	0	5,000	600	800	2,800	0	0	0	0	17,600
2005*	0	0	0	500	700	700	4,700	0	0	8,300	1,500	1,700	6,100	6,200	0	0	0	30,400
2006*	0	0	0	400	0	400	3,400	0	0	5,200	800	2,300	2,400	3,600	0	0	0	18,500
2007*	0	0	0	700	200	1,200	4,800	0	0	7,600	900	1,000	1,700	4,200	0	0	0	22,300
2008*	0	0	100	1,100	300	1,400	7,700	0	0	7,800	1,500	1,800	5,500	0	0	0	0	27,200
2009*	0	90	0	400	500	600	7,100	300	0	8,300	900	2,200	3,300	11,400	0	0	0	35,100
2010*	0	0	0	500	100	700	5,200	100	0	5,800	200	1,600	2,400	1,400	0	0	0	18,100
2011*	0	200	0	400	200	400	4,400	0	0	3,000	80	400	500	2,000	0	0	0	11,400
2012*	0	200	100	900	300	400	9,500	0	0	8,800	500	1,300	1,900	3,800	0	0	0	27,600
2013*	0	0	0	100	0	200	4,500	0	0	4,600	200	100	1,200	900	0	0	0	11,900
2014*	0	0	20	500	200	100	3,200	0	0	1,500	10	0	300	1,300	0	0	0	7,300
2015*	0	0	0	200	100	300	2,000	0	0	700	100	0	0	2,600	0	0	0	6,000
Averages																		
1999-2000	0	0	0	500	200	300	4,800	0	0	6,300	1,600	200	4,700	3,300	0	0	0	21,600
2001-05	0	80	20	800	1,100	700	6,900	200	0	8,000	1,100	1,100	5,500	4,700	0	8,100	0	30,200
2006-10	0	20	20	600	200	900	5,600	100	0	6,900	900	1,800	3,100	4,100	0	0	0	24,200
2011-15	0	100	0	400	200	300	4,700	0	0	3,700	200	400	800	2,100	0	0	0	12,800

* Preliminary estimates

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Sheet:

CAGO-SGRG-ATBR

Estimated harvest of Canada geese in the Atlantic Flyway during early September, regular, and special late seasons (State totals include unknowns)																			
Season	Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AFTOT
September	1999	1,300	2,200	1,300	4,700	6,100	1,200	59,300	94,900	3,900	10,500	4,700	18,300	11,400	20,100	0	NS ^a	NS ^a	239,900
	2000	5,200	2,900	1,700	2,800	4,400	500	63,100	67,500	1,600	18,200	2,600	14,200	10,800	20,500	0	NS ^a	NS ^a	216,000
	2001	2,100	3,100	1,400	2,300	4,800	1,300	49,300	111,900	2,000	10,000	4,300	27,100	14,100	30,300	5,800	NS ^a	NS ^a	269,800
	2002	3,000	3,700	1,500	2,800	4,000	1,000	48,200	92,500	2,000	11,800	6,200	14,800	13,600	20,100	4,800	6,600	0	236,600
	2003*	3,300	1,500	1,400	3,800	4,200	800	32,100	69,400	1,100	7,600	2,900	11,600	14,800	19,300	1,000	6,400	0	181,200
	2004*	2,500	3,900	500	4,100	5,300	700	35,800	65,900	2,300	9,800	3,300	18,600	17,000	11,100	3,100	6,600	0	190,500
	2005*	2,400	4,700	1,700	4,300	6,600	200	42,500	71,200	2,000	4,000	2,000	10,400	10,100	26,400	6,900	12,200	0	207,600
	2006*	2,100	3,400	2,400	3,800	5,900	400	52,300	67,600	1,100	7,500	1,100	12,700	11,100	23,600	6,800	2,700	0	204,300
	2007*	3,400	2,900	2,400	2,600	3,700	200	56,900	93,700	2,800	2,800	2,100	10,500	13,600	22,200	13,600	5,100	0	238,500
	2008*	5,500	6,200	3,400	4,600	6,400	1,400	78,000	70,400	1,400	6,500	2,200	6,500	17,500	10,500	10,000	8,100	0	238,400
	2009*	1,600	6,400	4,500	4,200	2,700	900	63,000	54,700	900	12,700	1,500	6,500	16,800	16,500	23,000	21,100	0	236,900
	2010*	4,700	3,300	500	2,200	2,300	1,000	45,300	42,100	3,200	15,300	1,100	3,600	15,600	29,700	11,100	5,400	0	186,500
	2011*	1,700	4,600	2,500	1,500	2,900	200	53,100	15,000	1,400	2,400	5,400	5,100	14,700	8,900	13,900	19,000	0	152,300
	2012*	3,400	4,500	2,700	1,600	1,400	0	58,200	27,400	1,500	8,600	2,800	10,700	9,700	37,700	10,500	6,600	0	187,400
	2013*	3,900	5,200	1,500	2,100	1,200	100	69,400	33,200	600	6,000	900	5,900	10,700	7,200	9,300	4,700	0	161,700
2014*	2,900	6,100	2,000	2,700	3,400	400	70,900	31,400	500	3,300	400	8,200	7,500	11,400	5,600	21,400	0	178,100	
2015*	2,900	3,400	1,600	2,500	900	400	32,000	21,300	700	3,500	1,900	9,800	6,100	9,000	5,300	19,200	700	121,200	
Regular	1999	2,100	1,100	3,200	5,500	10,100	1,700	19,900	38,500	1,600	2,900	300	9,500	9,000	9,000	10,000	12,500	1,000	137,900
	2000	5,300	800	3,500	5,300	10,000	2,000	25,600	27,500	2,100	3,900	200	15,700	16,100	9,000	11,100	12,200	0	150,300
	2001	3,100	1,300	2,400	6,500	13,100	2,000	41,500	75,100	2,900	10,000	6,600	112,800	22,400	15,700	10,200	26,100	1,200	352,900
	2002	7,600	2,700	4,800	8,700	16,000	2,400	60,500	102,000	3,100	16,200	14,900	100,500	38,200	18,200	22,800	14,500	0	433,100
	2003*	6,300	2,200	3,800	5,200	14,000	3,400	64,700	93,700	3,100	16,300	8,800	119,800	30,800	22,600	13,800	18,900	3,800	431,200
	2004*	4,500	3,200	2,700	7,100	14,300	3,500	73,500	80,300	5,100	12,800	10,700	123,400	23,900	17,000	13,900	14,600	300	410,800
	2005*	5,400	4,600	3,600	4,400	13,700	2,800	77,500	78,400	1,900	19,200	17,000	159,600	42,100	46,800	20,700	22,900	0	520,600
	2006*	7,700	4,400	4,300	6,200	7,400	4,500	61,500	76,200	1,400	19,400	11,700	140,000	21,000	19,700	20,300	12,200	2,800	420,800
	2007*	5,700	3,400	4,100	6,100	13,400	4,800	81,200	182,300	3,800	27,900	19,900	151,500	37,800	32,200	11,200	17,300	0	602,600
	2008*	8,300	6,100	3,600	7,300	16,500	2,500	85,200	161,200	3,300	22,800	26,400	207,200	38,000	35,900	13,800	24,000	0	662,000
	2009	3,100	5,200	7,000	9,400	6,300	1,800	108,900	107,300	6,100	32,500	23,400	156,500	46,900	33,500	9,700	52,200	2,500	612,300
	2010*	4,500	6,300	5,400	7,500	6,500	2,700	82,300	111,100	3,200	28,900	33,200	197,200	55,600	24,900	8,200	18,400	2,100	598,000
	2011*	2,000	3,700	5,500	9,100	6,600	2,700	73,500	60,100	2,300	7,400	7,100	106,300	46,000	20,900	3,400	15,400	0	371,900
	2012*	6,100	4,000	2,200	7,800	6,500	1,500	77,700	76,600	4,300	23,300	11,800	165,000	42,000	36,000	29,200	8,800	0	502,700
	2013*	4,900	4,400	4,500	3,800	7,500	4,600	64,900	70,700	4,300	42,300	17,000	146,700	47,100	48,700	7,900	27,400	0	506,600
2014*	6,100	6,200	3,800	4,800	8,000	5,100	67,400	75,500	1,900	26,400	17,400	105,800	37,800	25,800	30,200	30,300	0	452,700	
2015*	4,200	3,300	2,500	7,200	4,700	3,200	63,400	52,800	3,000	11,800	10,200	88,600	33,900	27,000	14,000	37,400	100	367,300	
Late	1999	NS ^a	NS ^a	NS ^a	1,700	4,100	400	1,200	18,200	NS ^a	5,200	NS ^a	NS ^a	14,300	NS ^a	NS ^a	NS ^a	NS ^a	45,100
	2000	NS ^a	NS ^a	NS ^a	3,200	5,700	700	900	16,200	NS ^a	3,500	NS ^a	NS ^a	20,400	NS ^a	NS ^a	NS ^a	NS ^a	53,600
	2001	NS ^a	NS ^a	NS ^a	3,000	200	400	700	32,700	NS ^a	2,600	NS ^a	12,500	17,400	NS ^a	NS ^a	NS ^a	NS ^a	69,500
	2002	NS ^a	NS ^a	NS ^a	1,300	1,400	200	0	19,500	NS ^a	1,900	NS ^a	NS ^a	16,000	NS ^a	NS ^a	NS ^a	NS ^a	40,300
	2003*	NS ^a	NS ^a	NS ^a	3,900	500	800	0	25,200	NS ^a	2,000	NS ^a	NS ^a	17,000	NS ^a	NS ^a	NS ^a	NS ^a	49,400
	2004*	NS ^a	NS ^a	NS ^a	4,000	800	200	0	21,400	NS ^a	2,000	NS ^a	NS ^a	14,100	NS ^a	NS ^a	NS ^a	NS ^a	42,500
	2005*	NS ^a	NS ^a	NS ^a	3,900	600	100	0	31,300	NS ^a	1,000	NS ^a	NS ^a	9,200	NS ^a	NS ^a	NS ^a	NS ^a	46,100
	2006*	NS ^a	NS ^a	NS ^a	3,100	700	400	0	16,800	NS ^a	600	NS ^a	NS ^a	15,700	NS ^a	NS ^a	NS ^a	NS ^a	37,300
	2007*	NS ^a	NS ^a	NS ^a	2,300	1,400	100	0	NS ^a	NS ^a	3,900	NS ^a	NS ^a	11,800	NS ^a	NS ^a	NS ^a	NS ^a	19,600
	2008*	NS ^a	NS ^a	NS ^a	1,200	0	100	200	NS ^a	NS ^a	1,100	NS ^a	NS ^a	16,800	NS ^a	NS ^a	NS ^a	NS ^a	19,500
	2009*	NS ^a	NS ^a	NS ^a	2,900	0	200	0	NS ^a	NS ^a	2,100	NS ^a	NS ^a	0	NS ^a	NS ^a	NS ^a	NS ^a	5,200
	2010*	NS ^a	NS ^a	NS ^a	2,800	0	500	0	NS ^a	NS ^a	8,500	NS ^a	NS ^a	0	NS ^a	NS ^a	NS ^a	NS ^a	11,800
	2011*	NS ^a	NS ^a	NS ^a	4,500	0	0	0	NS ^a	NS ^a	1,700	NS ^a	NS ^a	0	NS ^a	NS ^a	NS ^a	NS ^a	6,100
	2012*	NS ^a	NS ^a	NS ^a	1,500	0	0	0	NS ^a	NS ^a	4,100	NS ^a	NS ^a	0	NS ^a	NS ^a	NS ^a	NS ^a	5,600
	2013*	NS ^a	NS ^a	NS ^a	1,300	0	0	2,000	NS ^a	NS ^a	3,400	NS ^a	NS ^a	0	NS ^a	NS ^a	NS ^a	NS ^a	6,700
2014*	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	NE ^b	
2015*	0	0	0	100	0	100	0	0	0	0	0	0	0	0	0	0	0	200	
Total	1999	3,400	3,300	4,500	11,900	20,300	3,300	80,400	151,600	5,500	18,600	5,000	27,800	34,700	29,100	10,000	12,500	1,000	422,900
	2000	10,500	3,700	5,200	11,300	20,100	3,200	89,600	111,200	3,700	25,600	2,800	29,900	47,300	29,500	11,100	12,200	0	416,900
	2001	5,200	4,400	3,800	11,800	18,100	3,700	91,500	219,700	4,900	22,600	10,900	152,400	53,900	46,000	16,000	26,100	1,200	692,200
	2002	10,600	6,400	6,300	12,800	21,400	3,600	108,700	214,000	5,100	29,900	21,100	115,300	67,800	38,300	27,600	21,100	0	710,000

TUNDRA SWAN HUNTING PERMITS ISSUED FOR THE EASTERN AND WESTERN POPULATIONS

Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL	
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL		
1962							1,000					1,000	1,000
1963							1,000					1,000	1,000
1964							1,000					1,000	1,000
1965							995					995	995
1966							1,000					1,000	1,000
1967							1,000					1,000	1,000
1968							1,000					1,000	1,000
1969							2,500	500				3,000	3,000
1970							2,500	500	500			3,500	3,500
1971							2,495	500	500			3,495	3,495
1972							2,500	500	500			3,500	3,500
1973							2,500	500	500			3,500	3,500
1974							2,500	500	500			3,500	3,500
1975							2,500	500	500			3,500	3,500
1976							2,500	500	500			3,500	3,500
1977							2,488	500	500			3,488	3,488
1978							2,500	500	500			3,500	3,500
1979							2,500	500	500			3,500	3,500
1980							2,500	500	500			3,500	3,500
1981							2,500	500	500			3,500	3,500
1982							2,500	500	500			3,500	3,500
1983	109					109	2,500	650	500			3,650	3,759
1984	108			1,000		1,108	2,500	650	500			3,650	4,758
1985	120			6,000		6,120	2,488	650	500			3,638	9,758
1986	170			6,000		6,170	2,500	608	500			3,608	9,778
1987	171			5,968		6,139	2,499	594	500			3,593	9,732
1988	99	400		5,995	600	7,094	2,500	260	500	112		3,372	10,466
1989	167	1,000		5,444	600	7,211	2,500	324	500	130		3,454	10,665
1990	173	1,000	500	5,989	600	8,262	2,500	297	500	81		3,378	11,640
1991	204	2,000	1,000	6,000	600	9,804	2,500	258	500	84		3,342	13,146
1992	217	2,000	1,502	5,961	600	10,280	2,500	100	500	89		3,189	13,469
1993	212	2,000	1,500	6,000	400	10,112	2,500	205	500	170		3,375	13,487
1994	232	2,000	1,500	6,000	600	10,332	2,500	206	500	216		3,422	13,754
1995	291	2,000	1,500	6,000	600	10,391	2,750	383	500	210		3,843	14,234
1996	372	2,000	1,235	5,000	600	9,207	2,750	376	500	192		3,818	13,025
1997	364	2,000	1,077	5,000	600	9,041	2,750	381	500	201		3,832	12,873
1998	429	2,000	1,216	5,000	600	9,245	2,750	492	500	192		3,934	13,179
1999	432	2,000	863	5,000	600	8,895	2,750	518	500	227		3,995	12,890
2000	434	2,000	850	5,000	600	8,884	2,000	493	500	164		3,157	12,041
2001	398	2,000	983	5,000	600	8,981	2,000	308	500	255		3,063	12,044
2002	393	2,000	1,060	5,000	600	9,053	1,998	264	500	252		3,014	12,067
2003	423	2,200	1,002	5,000	600	9,225	2,000	298	500	215		3,013	12,238
2004	320	2,200	820	5,000	600	8,940	2,000	330	500	175		3,005	11,945
2005	348	2,200	811	5,000	600	8,959	1,997	370	500	176		3,043	11,945
2006	340	2,200	811	5,000	600	8,951	1,994	605	500	168		3,267	12,218
2007	323	2,200	1,064	5,000	600	9,187	2,000	650	500	162		3,312	12,499
2008	307	2,200	958	5,000	600	9,065	2,000	535	500	182		3,217	12,282
2009	327	2,200	1,242	5,000	600	9,369	2,000	472	405	174		3,051	12,420
2010	369	2,200	1,234	5,000	600	9,403	2,000	469	500	212		3,181	12,584
2011	320	2,200	1,156	5,000	600	9,276	2,000	527	500	228		3,255	12,531
2012	338	2,200	1,266	5,000	600	9,404	2,000	650	500	165		3,315	12,719
2013	354	2,200	1,259	5,000	600	9,413	2,000	488	500	189		3,177	12,590
2014	401	2,200	1,216	5,000	600	9,417	2,000	234	500	159		2,893	12,310
2015	432	2,200	1,299	5,000	600	9,531	2,000	105	500	127		2,732	12,263
AVERAGES:													
1962-69							1,187	500				1,249	1,249
1970-79							2,498	500	500			3,498	3,498
1980-89	135	700		5,068	600	4,850	2,499	524	500	121		3,547	6,942
2000-09	284	2,140	960	5,000	600	9,061	1,999	433	491	192		3,114	12,170
2010-14	331	2,200	1,148	5,000	600	9,278	2,000	501	476	199		3,176	12,454
Start-2015	294	1,964	1,112	5,199	593	8,381	2,295	417	497	175		3,357	11,737

NUMBER OF ACTIVE TUNDRA SWAN HUNTERS FOR THE EASTERN AND WESTERN POPULATIONS

Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	
1964							940				940	940
1965							915				915	915
1966							950				950	950
1967							910				910	910
1968							930				930	930
1969							2,225				2,225	2,225
1970							2,200		275		2,475	2,475
1971							2,146	415	245		2,806	2,806
1972							2,100	400	265		2,765	2,765
1973							2,175	375	230		2,780	2,780
1974							2,200	385	350		2,935	2,935
1975							2,175	390	350		2,915	2,915
1976							2,150	410	380		2,940	2,940
1977							2,264	380			2,644	2,644
1978							2,150	370	350		2,870	2,870
1979							2,150	390	390		2,930	2,930
1980							2,100	395	400		2,895	2,895
1981							2,225	445	330		3,000	3,000
1982							2,200	400	340		2,940	2,940
1983	70					70	2,125	507	375		3,007	3,077
1984	58			867		925	2,150	494	305		2,949	3,874
1985	60			5,080		5,140	2,021	436	275		2,732	7,872
1986	51			4,888		4,939	2,075	480	270		2,825	7,764
1987	106			5,014		5,120	1,924	404	395		2,723	7,843
1988	60	301		4,729	519	5,609	1,875	195	355	71	2,496	8,105
1989	117	865		4,446	517	5,945	1,925	262	400	81	2,668	8,613
1990	121	816	485	4,859	499	6,780	2,050	232	370	46	2,698	9,478
1991	131	1,565	850	4,849	488	7,883	1,950	181	185	53	2,369	10,251
1992	139	1,648	1,352	4,675	516	8,330	1,875	71	365	58	2,369	10,699
1993	119	1,603	1,350	4,802	334	8,208	2,025	135	380	83	2,623	10,831
1994	145	1,616	1,260	4,790	489	8,300	2,100	161	405	119	2,785	11,085
1995	175	1,638	900	4,776	495	7,984	2,172	287	340	118	2,917	10,901
1996	219	1,549	840	3,773	476	6,857	2,392	331	415	81	3,219	10,076
1997	262	1,671	872	3,892	503	7,200	2,392	328	395	125	3,240	10,440
1998	308	1,559	851	3,762	481	6,961	2,420	418	415	108	3,361	10,322
1999	282	1,675	690	3,836	445	6,928	2,338	435	390	148	3,311	10,239
2000	260	1,566	606	4,047	513	6,992	1,680	360	301	59	2,400	9,392
2001	233	1,553	827	3,997	510	7,120	1,560	240	340	151	2,291	9,411
2002	200	1,550	693	3,951	485	6,879	1,658	182	305	151	2,296	9,175
2003	199	1,436	587	4,257	520	6,999	1,740	221	250	131	2,342	9,341
2004	230	1,564	579	3,958	526	6,857	1,600	221	400	91	2,312	9,169
2005	240	1,715	539	4,180	527	7,201	1,618	270	380	83	2,351	9,552
2006	211	1,650	543	4,074	520	6,998	1,775	442	325	82	2,624	9,621
2007	213	1,672	700	4,126	509	7,220	1,800	501	400	70	2,770	9,990
2008	193	1,738	653	4,244	523	7,351	1,760	369	385	109	2,623	9,975
2009	193	1,804	752	4,322	492	7,563	1,780	283	405	92	2,560	10,123
2010	207	1,694	665	4,246	500	7,312	1,720	356	360	129	2,566	9,877
2011	192	1,760	740	4,200	454	7,346	1,740	401	390	128	2,658	10,004
2012	213	1,650	680	4,179	452	7,174	1,820	501	370	114	2,804	9,978
2013	202	1,671	722	4,308	442	7,345	1,540	268	375	110	2,293	9,638
2014	265	1,692	739	4,069	417	7,182	1,740	280	345	80	2,445	9,626
2015	346	1,672	1,129	4,309	545	8,001	1,740	60	407	101	2,308	10,309
AVERAGES:												
1962-69							1,145				1,145	1,145
1970-79							2,171	391	315		2,806	2,806
1980-89	75	583		4,171	518	3,964	2,062	402	345	76	2,823	5,598
1990-99	190	1,534	945	4,401	473	7,543	2,171	258	366	94	2,889	10,432
2000-09	217	1,625	648	4,116	513	7,118	1,697	309	349	102	2,457	9,575
2010-14	216	1,693	709	4,200	453	7,272	1,712	361	368	112	2,553	9,825
Start-2015	182	1,532	792	4,235	489	6,628	1,912	312	357	99	2,665	9,292

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792

Sheet: Active hunters

ESTIMATED RETRIEVED HARVESTS OF EASTERN AND WESTERN POPULATION TUNDRA SWANS

Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL	
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL		
1962							320					320	320
1963							392					392	392
1964							335					335	335
1965							336					336	336
1966							491					491	491
1967							246					246	246
1968							520					520	520
1969							1,377	87				1,464	1,464
1970							1,078	208	179			1,465	1,465
1971							1,109	102	91			1,302	1,302
1972							1,028	124	150			1,302	1,302
1973							1,191	109	101			1,401	1,401
1974							1,377	190	259			1,826	1,826
1975							1,383	188	266			1,837	1,837
1976							1,109	206	139			1,454	1,454
1977							1,575	84	214			1,873	1,873
1978							1,152	90	146			1,388	1,388
1979							1,293	214	275			1,782	1,782
1980							1,156	103	250			1,509	1,509
1981							1,619	301	177			2,097	2,097
1982							1,244	161	139			1,544	1,544
1983	34					34	1,168	169	218			1,555	1,589
1984	22			313		335	1,194	229	221			1,644	1,979
1985	19			2,523		2,542	673	145	185			1,003	3,545
1986	41			2,302		2,343	947	196	200			1,343	3,686
1987	27			2,684	117	2,828	600	94	280			974	3,802
1988	25	191		2,488	117	2,821	854	78	260	16		1,208	4,029
1989	41	511		2,128	133	2,813	694	81	302	17		1,094	3,907
1990	59	474	339	2,855	128	3,855	874	67	275	16		1,232	5,087
1991	52	704	444	2,940	205	4,345	774	62	79	8		923	5,268
1992	37	833	814	2,609	187	4,480	450	29	221	17		717	5,197
1993	18	712	545	2,773	130	4,178	337	55	290	26		708	4,886
1994	62	690	483	3,750	194	5,179	768	89	326	40		1,223	6,402
1995	56	805	172	2,833	217	4,083	348	72	182	57		659	4,742
1996	61	663	233	2,177	195	3,329	897	119	302	50		1,368	4,697
1997	101	870	403	2,325	217	3,916	704	131	300	58		1,193	5,109
1998	81	618	233	2,363	248	3,543	1,142	185	276	51		1,654	5,197
1999	93	867	223	2,290	128	3,601	858	213	226	91		1,388	4,989
2000	115	633	151	2,515	179	3,593	550	82	217	112		961	4,554
2001	93	561	337	2,322	144	3,457	249	62	289	113		713	4,170
2002	51	688	193	2,363	177	3,472	480	45	167	51		743	4,215
2003	56	235	41	2,355	174	2,861	761	77	119	77		1,034	3,895
2004	105	719	134	1,745	159	2,862	612	82	254	51		999	3,861
2005	93	772	137	2,436	195	3,633	779	100	284	41		1,204	4,837
2006	64	611	163	2,291	163	3,292	814	155	169	71		1,209	4,501
2007	64	652	144	2,313	193	3,366	780	217	306	64		1,367	4,733
2008	53	886	220	2,501	243	3,903	651	136	200	67		1,054	4,957
2009	70	956	297	2,239	165	3,727	788	56	293	80		1,217	4,944
2010	44	745	191	2,535	229	3,744	699	118	209	60		1,086	4,830
2011	65	704	261	2,494	145	3,669	669	145	247	95		1,156	4,825
2012	77	611	157	2,538	172	3,555	873	203	293	55		1,424	4,979
2013	67	769	306	2,509	170	3,821	360	26	240	62		688	4,509
2014	401	795	280	2,509	600	4,585	726	25	500	47		1,298	5,883
2015	105	635	229	2,611	173	3,753	853	8	264	70		1,195	4,948
AVERAGES:													
1962-69							502	87				513	513
1970-79							1,230	152	182			1,563	1,563
1980-89	30	351		2,073	122	1,959	1,015	156	223	17		1,397	2,769
2000-09	59	671	182	2,308	179	3,417	646	101	230	73		1,050	4,467
2010-14	58	823	242	2,442	196	3,761	702	114	237	76		1,128	4,889
Start-2015	71	675	274	2,426	190	3,379	725	108	248	56		1,128	4,508

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Sheet: Retrieved harvest

AVERAGE SEASONAL TUNDRA SWAN BAG (RETRIEVED & UNRETRIEVED) PER ACTIVE HUNTER

Year	EASTERN POPULATION						WESTERN POPULATION					TOTAL
	MT	ND	SD	NC	VA	TOTAL	UT	NV	MT	AK	TOTAL	
1962												
1963												
1964							0.45				0.45	0.45
1965							0.43				0.43	0.43
1966							0.60				0.60	0.60
1967							0.37				0.37	0.37
1968							0.67				0.67	0.67
1969							0.74				0.79	0.79
1970							0.57		0.65		0.67	0.67
1971							0.60	0.29	0.37		0.53	0.53
1972							0.55	0.35	0.57		0.52	0.52
1973							0.66	0.32	0.49		0.60	0.60
1974							0.72	0.56	0.90		0.72	0.72
1975							0.71	0.57	0.87		0.71	0.71
1976							0.58	0.55	0.40		0.55	0.55
1977							0.83	0.25			0.84	0.84
1978							0.70	0.25	0.47		0.61	0.61
1979							0.71	0.66	0.86		0.73	0.73
1980							0.64	0.30	0.68		0.60	0.60
1981							0.87	0.79	0.59		0.82	0.82
1982							0.69	0.46	0.44		0.63	0.63
1983	0.49					0.49	0.66	0.38	0.63		0.61	0.61
1984	0.39			0.39		0.39	0.60	0.51	0.74		0.60	0.55
1985	0.32			0.55		0.55	0.37	0.36	0.72		0.40	0.50
1986	0.80			0.53		0.53	0.51	0.53	0.80		0.54	0.53
1987	0.26			0.60		0.62	0.33	0.26	0.77		0.38	0.53
1988	0.45	0.72		0.58	0.24	0.55	0.51	0.42	0.79	0.23	0.53	0.55
1989	0.39	0.68		0.53	0.29	0.53	0.44	0.32	0.85	0.27	0.48	0.52
1990	0.51	0.70	0.84	0.64	0.29	0.63	0.50	0.31	0.80	0.35	0.52	0.60
1991	0.41	0.52	0.61	0.65	0.45	0.61	0.48	0.35	0.46	0.15	0.46	0.57
1992	0.27	0.59	0.71	0.62	0.40	0.61	0.26	0.44	0.62	0.29	0.32	0.54
1993	0.18	0.49	0.51	0.62	0.41	0.56	0.19	0.43	0.84	0.36	0.30	0.50
1994	0.44	0.48	0.47	0.82	0.41	0.67	0.42	0.60	0.86	0.35	0.49	0.63
1995	0.34	0.55	0.22	0.67	0.45	0.57	0.19	0.32	0.57	0.49	0.26	0.49
1996	0.30	0.48	0.30	0.61	0.42	0.52	0.48	0.41	0.78	0.65	0.51	0.52
1997	0.44	0.56	0.51	0.64	0.45	0.59	0.38	0.45	0.90	0.52	0.45	0.55
1998	0.29	0.43	0.29	0.65	0.52	0.53	0.59	0.50	0.78	0.48	0.60	0.55
1999	0.34	0.57	0.36	0.61	0.30	0.55	0.46	0.53	0.61	0.65	0.49	0.53
2000	0.50	0.44	0.30	0.67	0.36	0.56	0.39	0.25	0.82	1.95	0.46	0.53
2001	0.42	0.40	0.46	0.63	0.30	0.53	0.20	0.27	0.94	0.77	0.35	0.45
2002	0.28	0.48	0.32	0.63	0.38	0.54	0.34	0.28	0.60	0.36	0.37	0.49
2003	0.29	0.18	0.07	0.58	0.35	0.43	0.50	0.37	0.53	0.63	0.50	0.45
2004	0.48	0.50	0.25	0.46	0.32	0.44	0.45	0.44	0.67	0.60	0.49	0.45
2005	0.42	0.49	0.29	0.62	0.40	0.54	0.54	0.39	0.83	0.55	0.57	0.55
2006	0.30	0.40	0.33	0.59	0.33	0.50	0.53	0.36	0.53	0.88	0.51	0.50
2007	0.30	0.44	0.23	0.57	0.39	0.49	0.50	0.45	0.82	0.93	0.55	0.50
2008	0.29	0.56	0.42	0.61	0.49	0.56	0.42	0.37	0.55	0.62	0.44	0.53
2009	0.36	0.56	0.45	0.54	0.36	0.52	0.50	0.21	0.80	0.88	0.53	0.52
2010	0.22	0.47	0.33	0.62	0.49	0.54	0.46	0.35	0.63	0.54	0.47	0.52
2011	0.34	0.44	0.39	0.61	0.33	0.52	0.43	0.39	0.69	0.77	0.48	0.51
2012	0.38	0.40	0.26	0.62	0.39	0.52	0.52	0.44	0.83	0.48	0.55	0.52
2013	0.34	0.49	0.44	0.60	0.39	0.54	0.26	0.11	0.68	0.58	0.32	0.49
2014	1.52	0.50	0.38	0.63	1.45	0.65	0.48	0.09	1.48	0.60	0.58	0.64
2015	0.32	0.39	0.20	0.62	0.32	0.48	0.54	0.17	0.71	0.72	0.57	0.50
AVERAGES:												
1962-69							0.54				0.55	0.55
1970-79							0.66	0.42	0.62		0.65	0.65
1980-89	0.44	0.70		0.53	0.27	0.52	0.56	0.43	0.70	0.25	0.56	0.58
2000-09	0.36	0.45	0.31	0.59	0.37	0.51	0.44	0.34	0.71	0.82	0.48	0.50
2010-14	0.56	0.46	0.36	0.62	0.61	0.55	0.43	0.28	0.86	0.60	0.48	0.54
Start-2015	0.40	0.50	0.38	0.60	0.42	0.54	0.44	0.37	0.75	0.60	0.48	0.53

NUMBERS OF ATLANTIC BRANT OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2016

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	500	0	0	19,050	0	0	151,000	0	75	12,700	500	0	0	0	183,825
1956	0	0	0	0	0	0	25,350	0	0	108,100	0	11,300	18,750	435	0	0	0	163,935
1957	0	0	0	14	0	0	9,620	0	0	143,550	342	3,700	4,400	400	0	0	0	162,026
1958	0	0	0	50	0	0	14,550	0	0	184,500	946	7,350	3,486	175	0	0	0	211,057
1959	0	0	0	0	0	0	34,300	0	0	175,400	4,266	800	1,700	1,000	0	0	0	217,466
1960	0	0	0	100	0	0	33,400	0	0	183,200	3,800	1,000	16,400	500	0	0	0	238,400
1961	0	0	0	100	0	0	39,300	0	0	200,800	12,800	2,900	9,100	500	0	0	0	265,500
1962	0	0	0	500	0	0	28,700	100	0	88,800	800	800	4,700	200	0	0	0	124,600
1963	0	0	0	0	0	0	52,800	0	0	109,000	5,600	400	5,500	200	0	0	0	173,500
1964	0	0	0	1,000	0	0	23,900	0	0	143,600	9,200	1,900	2,900	400	0	0	0	182,900
1965	0	0	0	0	0	0	6,500	0	0	165,100	1,200	1,400	7,400	0	0	0	0	181,600
1966	0	0	0	300	0	0	11,000	0	0	151,600	1,100	0	1,400	0	0	0	0	165,400
1967	0	0	0	100	0	0	23,300	0	0	189,100	2,400	100	4,200	0	0	0	0	219,200
1968	0	0	0	100	0	0	15,400	0	0	182,000	1,500	600	13,500	300	100	0	0	213,500
1969	0	0	0	400	0	0	20,000	0	0	78,200	3,100	1,500	27,400	300	0	0	0	130,900
1970	0	0	0	0	0	0	6,700	0	0	96,100	800	300	1,900	700	0	0	0	106,500
1971	0	0	0	100	0	0	12,800	0	0	129,400	1,400	400	6,900	0	0	0	0	151,000
1972	0	0	0	2,900	0	0	14,900	0	0	48,600	700	3,200	2,800	200	0	0	0	73,300
1973	0	0	0	325	0	0	10,581	0	0	22,600	275	400	6,454	160	0	0	0	40,795
1974	0	0	0	797	0	0	21,436	0	0	46,350	1,435	1,200	16,674	200	0	0	0	88,092
1975	0	0	0	523	40	0	24,045	0	0	55,200	500	1	7,700	400	0	0	0	88,409
1976	0	0	0	1,128	0	0	17,040	0	0	99,000	1,135	1,600	6,900	200	0	25	0	127,028
1977	0	0	0	2,549	0	0	13,607	0	0	26,900	6,335	2,200	21,700	500	0	0	0	73,791
1978	0	0	0	3,845	135	136	9,286	0	0	14,600	2,278	1,600	10,810	4,000	0	0	0	46,690
1979	0	0	0	800	0	8	7,035	0	0	31,890	885	100	1,300	0	0	0	0	42,018
1980	0	0	0	3,287	3	0	9,307	0	0	31,570	3,269	2,300	7,958	1,500	0	1	0	59,195
1981	0	0	0	3,992	80	212	16,653	0	0	53,605	2,817	400	11,769	7,500	0	0	0	97,028
1982	0	0	0	1,707	300	0	14,925	0	0	63,000	2,600	1,000	17,500	3,400	0	100	0	104,532
1983	0	0	0	1,415	50	0	12,600	0	0	76,100	100	3,800	28,400	1,000	0	0	0	123,465
1984	0	0	0	2,407	200	310	2,500	0	0	89,800	1,400	1,400	29,000	300	0	0	0	127,317
1985	0	0	0	1,130	0	360	8,715	0	0	91,500	3,200	2,000	37,020	2,400	0	0	0	146,325
1986	0	0	0	935	720	100	4,503	0	0	69,400	400	0	33,810	500	0	0	0	110,368
1987	0	0	0	2,290	4	0	16,144	0	0	80,800	0	0	10,155	50	0	0	0	109,443
1988	0	0	0	935	2	227	15,710	0	0	89,400	1,000	100	23,330	479	0	0	0	131,183
1989	0	0	0	2,265	370	0	10,873	0	0	90,300	1,800	3,819	26,765	1,745	2	0	0	137,939
1990	0	0	0	985	175	500	18,950	0	0	89,000	1,965	2,853	18,511	2,420	85	0	0	135,444
1991	0	0	0	1,355	35	0	21,925	0	0	98,200	300	1,450	22,774	1,705	0	0	0	147,744
1992	0	0	0	920	160	100	22,321	0	0	144,315	357	581	12,988	3,038	0	0	0	184,780
1993	12	0	0	2,305	70	900	24,937	0	0	49,774	350	890	21,338	27	24	0	0	100,627
1994	10	0	0	1,715	0	0	12,919	0	0	122,260	1,300	1,460	16,357	1,138	0	0	0	157,159
1995	0	0	0	655	0	825	22,659	0	0	116,310	1,320	1,150	5,253	0	0	0	0	148,172
1996	13	0	0	1,035	185	1,500	13,941	0	0	75,065	4,050	1,272	8,036	806	0	0	0	105,903
1997*	15	0	0	1,365	375	2,025	23,572	0	0	87,240	1,350	650	12,470	0	0	0	0	129,062
1998	0	0	0	1,856	6	2,740	37,782	0	0	67,285	0	1,980	26,325	0	0	0	0	137,974
1999	21	0	0	1,280	0	0	29,397	0	0	120,865	1,970	537	17,550	8	0	0	0	171,628
2000**	0	0	0	2,365	132	1,010	17,874	0	0	120,225	0	400	15,150	0	0	0	0	157,156

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NUMBERS OF ATLANTIC BRANT OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2016

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
<i>Continued from previous page</i>																		
2001**	0	0	0	2,204	465	1,445	25,201	2	0	96,685	3,657	925	14,677	0	0	0	0	145,261
2002	0	0	0	3,025	500	940	37,675	0	0	124,590	0	535	14,355	0	0	0	11	181,631
2003**	0	0	0	1,821	77	3,165	22,222	0	0	118,005	601	1,510	17,125	0	0	0	0	164,526
2004**	4	0	0	1,989	1,548	401	20,748	0	0	83,850	2,271	1,295	17,480	0	0	0	4	129,590
2005**	0	0	0	875	1,415	634	24,759	0	0	73,805	1,400	1,723	18,635	2	0	0	NS	123,248
2006**	0	0	0	1,760	1,002	1,750	60,324	0	0	63,815	2,145	2,353	13,122	368	0	0	NS	146,639
2007**	0	NS	0	2,018	1,328	1,500	65,745	0	0	67,305	1,378	505	8,906	1,874	0	0	NS	150,559
2008**	6	0	0	2,916	1,214	1,257	56,115	0	0	88,190	1,300	1,400	7,760	1,460	NS	0	NS	161,618
2009**	0	0	0	2,162	1,724	1,430	57,030	0	0	73,935	219	805	11,210	2,758	0	0	NS	151,273
2010**	0	0	0	1,572	935	3,509	65,580	0	0	55,485	504	1,035	9,040	1,690	0	0	NS	139,350
2011**	0	0	0	1,213	1,558	4,585	67,260	0	0	61,195	525	1,465	9,875	1,210	0	0	NS	148,886
2012**	0	0	0	1,550	1,664	2,115	66,250	0	0	69,560	750	548	6,720	0	0	0	NS	149,157
2013**	2	0	0	2,153	940	1,411	54,100	0	0	39,730	961	1,505	10,375	575	0	0	NS	111,752
2014**	0	NS	0	1,185	1,144	2,970	66,543	0	0	48,535	350	638	11,271	300	0	0	NS	132,936
2015**	0	NS	0	1,415	628	2,251	51,000	0	0	43,115	100	930	11,995	0	0	0	NS	111,434
2016**	NS	NS	NS	1,128	2,019	4,059	57,265	0	NS	83,894	0	1,043	8,446	45	0	0	NS	157,899
AVERAGES:																		
1955-60	0	0	0	111	0	0	22,712	0	0	157,625	1,559	4,038	9,573	502	0	0	0	196,118
1961-65	0	0	0	320	0	0	30,240	20	0	141,460	5,920	1,480	5,920	260	0	0	0	185,620
1966-70	0	0	0	180	0	0	15,280	0	0	139,400	1,780	500	9,680	260	20	0	0	167,100
1971-75	0	0	0	929	8	0	16,752	0	0	60,430	862	1,040	8,106	192	0	0	0	88,319
1976-80	0	0	0	2,322	28	29	11,255	0	0	40,792	2,780	1,560	9,734	1,240	0	5	0	69,744
1981-85	0	0	0	2,130	126	176	11,079	0	0	74,801	2,023	1,720	24,738	2,920	0	0	20	119,733
1986-90	0	0	0	1,482	254	165	13,236	0	0	83,780	1,033	1,354	22,514	1,039	17	0	0	124,875
1991-95	4	0	0	1,390	53	365	20,952	0	0	106,172	725	1,106	15,742	1,182	5	0	0	147,696
1996-2000	8	0	0	1,684	194	1,453	24,628	0	0	94,561	1,838	961	15,701	136	0	0	0	141,164
2001-05	1	0	0	1,983	801	1,317	26,121	0	0	99,387	1,586	1,198	16,454	0	0	0	4	148,851
2006-10	1	0	0	2,086	1,241	1,889	60,959	0	0	69,746	1,109	1,220	10,008	1,630	0	0	NS	149,888
2011-16	0	0	0	1,441	1,326	2,899	60,403	0	0	57,672	448	1,022	9,780	355	0	0	NS	135,344

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997.

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Sheet: ATBR

NS - No survey conducted in this state

NUMBERS OF TUNDRA OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2016

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
1955	0	0	0	0	0	0	0	118	0	7	1	71,604	4,250	13,886	15	0	0	89,681
1956	0	0	0	0	0	0	0	18	0	0	4	20,002	7,325	11,347	3	0	0	38,699
1957	0	0	0	6	0	0	0	0	3	8	7	35,200	600	4,400	0	0	0	40,224
1958	0	0	0	0	0	0	365	4	0	14	0	17,012	1,387	9,389	10	0	0	28,181
1959	0	0	0	0	0	0	6	0	0	11	0	15,200	3,500	9,000	0	0	0	27,717
1960	0	0	0	0	0	0	0	0	0	0	0	23,200	5,100	12,800	0	0	0	41,100
1961	0	0	0	0	0	0	0	0	0	0	0	36,200	9,500	16,800	0	0	0	62,500
1962	0	0	0	0	0	0	0	100	0	0	0	25,600	4,500	9,200	0	0	0	39,400
1963	0	0	0	0	0	0	0	0	0	100	0	35,800	12,500	13,000	0	0	0	61,400
1964	0	0	0	100	0	0	0	0	0	100	0	37,300	100	24,500	0	0	0	62,100
1965	0	0	0	0	0	0	0	0	0	100	0	45,400	600	7,900	0	0	0	54,000
1966	0	0	0	0	0	0	0	100	0	100	0	45,300	1,400	10,900	0	0	0	57,800
1967	0	0	0	0	0	0	0	0	0	0	100	52,200	1,200	18,500	0	0	0	72,000
1968	0	0	0	0	0	0	0	0	0	100	0	26,000	2,300	17,200	0	0	0	45,600
1969	0	0	0	0	0	0	0	0	0	0	0	36,400	0	25,800	0	0	0	62,200
1970	0	0	0	0	0	0	0	0	0	100	0	34,100	5,800	15,000	0	0	0	55,000
1971	0	0	0	0	0	0	0	0	0	0	0	38,800	3,400	16,000	0	0	0	58,200
1972	0	0	0	0	0	0	0	100	0	400	2,500	39,700	3,100	17,000	0	0	0	62,800
1973	0	0	0	417	0	0	1	263	0	166	51	34,399	2,207	19,000	13	0	0	56,517
1974	0	0	0	0	0	0	1	284	0	162	1,210	32,398	4,659	25,100	13	0	0	63,827
1975	0	0	0	0	0	0	2	322	0	570	395	36,095	2,097	26,600	0	2	0	66,083
1976	0	0	0	0	0	0	7	614	0	300	395	28,492	7,109	30,800	11	0	0	67,728
1977	0	0	0	0	0	0	0	70	0	315	435	27,597	4,485	43,300	36	0	0	76,238
1978	0	0	0	0	0	0	0	1,576	0	1,300	1,715	34,996	6,857	23,800	0	0	0	70,244
1979	0	0	0	0	0	0	4	599	0	2,710	61	34,495	8,405	30,500	52	0	0	76,826
1980	0	0	0	0	0	0	37	217	0	527	1,566	29,994	8,350	19,100	66	0	0	59,857
1981	0	0	0	0	0	0	3	1,260	0	725	959	29,996	13,122	46,600	100	0	0	92,765
1982	0	0	0	0	0	0	0	242	0	900	0	19,600	9,800	42,200	165	0	0	72,907
1983	0	0	0	0	0	0	0	800	0	1,800	3,000	23,000	5,600	52,200	64	0	0	86,464
1984	0	0	0	209	0	0	0	100	0	600	0	29,002	7,000	44,100	199	0	25	81,235
1985	0	0	0	0	0	0	0	340	0	1,230	100	23,500	6,965	61,500	269	5	0	93,909
1986	0	0	0	0	0	0	0	756	0	800	400	30,020	6,378	52,300	86	1	25	90,766
1987	0	0	0	0	0	0	0	5,105	1	4,000	1,400	25,700	4,685	53,543	70	0	0	94,504
1988	0	0	0	0	0	0	13	5	0	2,800	0	22,100	5,291	46,805	96	0	0	77,110
1989	0	0	0	0	0	0	0	502	0	2,300	175	28,542	5,927	52,656	45	3	0	90,150
1990	0	0	0	0	0	0	0	340	0	3,600	90	20,078	6,092	60,238	155	0	0	90,593
1991	0	0	0	0	0	0	0	1,856	0	2,800	121	23,104	4,491	64,999	53	0	0	97,424
1992	0	0	0	0	0	0	35	3,058	0	724	144	22,976	7,207	75,607	37	0	0	109,788
1993	0	0	0	0	0	0	83	4,868	0	305	72	18,248	7,046	45,930	41	0	0	76,593
1994	0	0	0	0	0	0	8	686	1	1,044	126	18,780	9,132	54,664	86	0	0	84,527
1995	0	0	0	0	0	0	206	2,012	1	770	64	15,578	7,605	53,870	116	0	0	80,222
1996	0	0	0	0	0	0	0	115	4	512	197	16,344	10,945	50,716	188	0	0	79,021
1997*	0	0	0	0	0	0	0	3,515	0	667	594	12,238	11,211	57,730	165	0	0	86,120
1998	0	0	0	0	0	0	139	1,949	0	495	1,171	21,563	7,186	63,761	280	0	0	96,544
1999	0	0	0	0	0	0	0	553	0	935	76	15,557	8,814	83,106	0	0	0	109,041
2000**	0	0	0	0	0	0	0	1,106	0	130	1,497	15,609	7,596	77,044	100	0	0	103,082

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NUMBERS OF TUNDRA OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE ATLANTIC FLYWAY, 1955-2016

YEAR	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	AF TOTAL
<i>Continued from previous page</i>																		
2001**	0	0	0	0	0	0	99	363	24	197	72	20,798	9,428	66,966	220	0	0	98,167
2002	0	4	0	0	0	0	116	1,098	3	473	920	16,610	5,994	78,394	222	0	0	103,834
2003**	0	0	0	0	0	0	205	548	0	105	802	15,112	7,725	83,351	339	0	0	108,187
2004**	0	0	0	0	0	0	8	1,261	0	495	667	17,891	7,173	67,188	292	0	0	94,975
2005**	0	0	0	0	0	0	132	786	0	205	387	13,248	6,488	47,364	125	0	NS	68,735
2006**	0	0	0	0	0	0	399	2,464	2	165	147	8,239	4,576	54,064	398	0	NS	70,454
2007**	0	NS	0	0	0	0	0	363	0	290	520	8,656	4,979	72,653	379	0	NS	87,840
2008**	0	0	0	0	0	0	0	1,178	4	332	651	10,580	6,738	69,023	NS	0	NS	88,506
2009**	0	0	0	0	0	0	0	783	0	165	223	14,183	6,584	76,788	578	0	NS	99,304
2010**	0	0	0	0	0	2	0	89	2	425	215	14,004	6,584	70,273	319	0	NS	91,913
2011**	0	0	0	0	0	0	0	316	0	155	258	14,355	8,778	69,501	404	0	NS	93,767
2012**	0	0	0	0	0	0	0	691	0	425	178	16,599	8,884	59,716	300	0	NS	86,793
2013**	0	0	0	0	0	0	0	1,711	3	183	1,392	17,330	8,987	68,578	312	1	NS	98,497
2014**	0	NS	0	0	0	0	0	975	9	480	264	16,145	9,399	76,276	305	0	NS	103,853
2015**	0	NS	0	0	0	0	461	506	0	540	273	17,837	9,194	78,663	462	0	NS	107,936
2016**	NS	NS	NS	0	0	0	0	810	NS	82	341	11,220	10,368	63,466	332	0	NS	86,619
AVERAGES:																		
1955-60	0	0	0	1	0	0	62	23	1	7	2	30,370	3,694	10,104	5	0	0	44,267
1961-65	0	0	0	20	0	0	0	20	0	60	0	36,060	5,440	14,280	0	0	0	55,880
1966-70	0	0	0	0	0	0	0	20	0	60	20	38,800	2,140	17,480	0	0	0	58,520
1971-75	0	0	0	83	0	0	1	194	0	260	831	36,278	3,093	20,740	5	0	0	61,485
1976-80	0	0	0	0	0	0	10	615	0	1,030	834	31,115	7,041	29,500	33	0	0	70,179
1981-85	0	0	0	42	0	0	1	548	0	1,051	812	25,020	8,497	49,320	159	1	5	85,456
1986-90	0	0	0	0	0	0	3	1,342	0	2,700	413	25,288	5,675	53,108	90	1	5	88,625
1991-95	0	0	0	0	0	0	66	2,496	0	1,129	105	19,737	7,096	59,014	67	0	0	89,711
1996-2000	0	0	0	0	0	0	28	1,448	1	548	707	16,262	9,150	66,471	147	0	0	94,762
2001-05	0	1	0	0	0	0	112	811	5	295	570	16,732	7,362	68,653	240	0	0	94,780
2006-10	0	0	0	0	0	0	80	975	2	275	351	11,132	5,892	68,560	419	0	NS	87,603
2011-16	0	0	0	0	0	0	77	835	2	311	451	15,581	9,268	69,367	353	0	NS	96,244

* Estimates for NY based on change in Federation of NY State Bird Club Counts, 1996 to 1997.

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NS - No survey conducted in this state

HARVEST AGE RATIOS (IMM./AD.) FOR MALLARDS AND BLACK DUCKS

YEAR	MALLARD					BLACK DUCK			
	A.F.	M.F.	C.F.	P.F.	AK	U.S.	A.F.	M.F.	U.S.
1961	1.97	1.09	0.62	1.24		1.05	1.68	2.00	1.74
1962	1.55	1.46	0.91	1.27		1.29	1.32	1.60	1.37
1963	1.66	1.34	0.93	1.59		1.36	1.48	1.12	1.39
1964	1.77	1.17	0.65	1.22		1.10	1.49	1.21	1.41
1965	1.83	1.63	0.89	1.88		1.60	1.38	1.69	1.46
1966	1.72	1.50	0.94	1.54	14.42	1.40	1.51	1.11	1.37
1967	1.91	1.48	0.88	1.73	4.50	1.43	1.85	1.62	1.79
1968	2.08	1.10	0.46	1.04	3.91	0.97	1.89	1.44	1.80
1969	1.62	1.81	1.01	2.02	4.51	1.63	1.32	1.12	1.27
1970	1.93	1.19	0.73	1.46	2.20	1.18	1.72	0.99	1.46
1971	1.48	0.99	0.81	1.44	2.71	1.07	1.40	1.42	1.40
1972	1.58	0.96	0.58	1.10	3.65	0.91	1.35	0.94	1.19
1973	2.17	1.32	0.67	1.13	8.35	1.13	1.82	1.26	1.62
1974	2.15	1.92	1.19	1.90	3.15	1.77	1.81		1.72
1975	1.84	1.36	0.92	1.60	4.01	1.35	1.87	1.27	1.70
1976	1.88	1.26	0.90	1.69	3.89	1.32	1.38	1.09	1.30
1977	1.57	0.84	0.46	1.13	2.43	0.86	1.81	1.32	1.64
1978	1.64	1.15	1.00	1.80	4.94	1.30	1.60	1.49	1.58
1979	2.27	1.43	0.97	1.53	4.37	1.41	1.54	1.51	1.53
1980	1.72	0.92	0.68	1.12	3.72	0.98	1.50	1.19	1.42
1981	1.36	0.77	0.52	1.00	1.92	0.82	1.67	1.24	1.56
1982	1.73	1.13	0.71	1.26	5.68	1.13	1.85	1.11	1.65
1983	1.66	1.42	0.82	1.64	4.61	1.37	1.61	1.21	1.49
1984	1.68	1.26	0.75	1.25	4.61	1.18	2.00	2.12	2.03
1985	1.50	1.09	0.78	1.20	4.01	1.11	1.82	1.23	1.67
1986	1.57	1.34	1.02	1.47	4.05	1.34	1.04	1.00	1.03
1987	1.81	1.31	0.94	1.08	3.48	1.22	1.29	1.24	1.28
1988	1.64	0.96	0.49	0.82	2.42	0.90	1.57	1.24	1.51
1989	1.75	1.12	0.67	1.31	3.64	1.16	1.41	1.08	1.32
1990	1.41	0.95	0.57	1.13	3.14	0.98	1.24	1.08	1.20
1991	1.12	0.99	0.61	0.84	2.58	0.92	1.23	0.87	1.13
1992	1.02	0.82	0.50	0.93	2.99	0.82	0.95	0.97	0.95
1993	1.36	1.17	0.67	1.47	4.98	1.17	1.42	1.11	1.32
1994	1.20	1.07	0.91	1.25	4.91	1.10	1.16	1.04	1.13
1995	1.09	0.92	0.90	1.01	3.74	0.95	1.14	0.96	1.09
1996	1.16	1.02	0.86	1.28	2.29	1.06	1.00	0.65	0.88
1997	1.26	1.16	0.91	1.52	4.74	1.20	1.39	1.75	1.48
1998	1.03	0.81	0.67	1.33	3.27	0.91	1.24	1.64	1.36
1999	0.91	0.89	0.73	0.96	5.28	0.88	0.99	1.35	1.11
2000	0.92	0.68	0.54	1.02	2.43	0.74	0.83	0.63	0.76
2001	1.14	1.33	0.71	1.22	4.56	1.13	1.10	1.19	1.26
2002	0.96	0.90	0.58	1.17	2.99	0.87	1.02	0.88	0.94
2003*	1.26	1.40	0.87	1.51	4.07	1.29	1.12	1.13	1.12
2004*	1.37	1.03	0.74	1.43	4.82	1.06	0.87	1.20	0.97
2005*	1.54	1.63	1.26	1.98	5.47	1.62	1.56	1.63	1.58
2006*	1.35	1.44	1.05	1.82	2.19	1.45	1.39	1.69	1.47
2007*	1.31	1.20	1.07	1.23	2.69	1.20	1.31	1.02	1.22
2008*	1.22	1.06	0.70	1.19	2.50	1.04	0.96	1.03	0.98
2009*	1.37	1.24	1.01	1.42	3.40	1.25	1.15	1.65	1.27
2010*	1.30	1.59	1.29	1.63	3.24	1.53	1.43	2.24	1.58
2011*	1.24	1.91	1.52	2.28	4.00	1.85	1.23	1.38	1.27
2012*	1.38	1.68	1.17	1.35	3.84	1.46	1.44	1.56	1.47
2013*	1.37	1.31	1.19	1.25	2.42	1.28	1.43	2.00	1.56
2014*	1.33	1.66	1.43	1.25	3.70	1.50	1.07	1.30	1.12
2015*	1.38	1.19	0.97	1.21	2.49	1.16	1.17	3.94	1.55
AVERAGES:									
61-65	1.76	1.34	0.80	1.44		1.28	1.47	1.52	1.47
66-70	1.85	1.42	0.80	1.56	5.91	1.32	1.66	1.26	1.54
71-75	1.84	1.31	0.83	1.43	4.37	1.25	1.65	1.22	1.53
76-80	1.82	1.12	0.80	1.45	3.87	1.17	1.57	1.32	1.49
81-85	1.59	1.13	0.72	1.27	4.17	1.12	1.79	1.38	1.68
86-90	1.64	1.14	0.74	1.16	3.35	1.12	1.31	1.13	1.27
91-95	1.16	0.99	0.72	1.10	3.84	0.99	1.18	0.99	1.12
96-2000	1.06	0.91	0.74	1.22	3.60	0.96	1.09	1.21	1.12
2001-05	1.25	1.26	0.83	1.46	4.38	1.20	1.13	1.21	1.17
2006-10	1.31	1.31	1.02	1.46	2.80	1.29	1.25	1.53	1.30
2011-15	1.34	1.55	1.26	1.47	3.29	1.45	1.27	2.04	1.39

* - Preliminary

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NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE MISSISSIPPI FLYWAY

YEAR	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MF TOTAL
1955	400	3,700	23,200	0	26,700	32,700	48,500	1,700	6,000	700	11,200	15,000	4,000	4,600	178,400
1956	400	3,200	34,600	TR*	32,000	29,500	63,700	1,500	21,000	1,000	9,300	6,700	4,200	6,200	213,300
1957	400	5,000	30,300	100	44,500	33,800	62,800	200	12,300	1,000	20,000	17,000	1,300	3,200	231,900
1958	300	2,400	17,400	TR	14,000	143,400	22,900	6,400	9,200	1,000	18,900	22,300	2,600	3,600	264,400
1959	100	4,500	12,800	TR	6,000	28,600	24,700	1,000	14,500	11,200	32,700	36,700	400	3,700	176,900
1960	100	3,900	15,600	100	15,600	24,100	31,500	600	11,700	8,300	15,300	32,300	1,000	5,000	165,100
1961	100	5,800	12,200	TR	15,800	5,000	52,200	700	5,100	2,200	32,200	14,300	2,600	10,500	158,700
1962	100	2,400	2,500	0	2,800	5,500	26,500	300	15,500	2,900	16,900	14,800	4,900	15,600	110,700
1963	200	3,000	4,000	TR	18,000	9,400	37,500	2,300	15,000	4,000	20,000	13,900	4,900	9,000	141,200
1964	100	3,700	14,200	200	28,000	7,200	63,900	5,000	17,400	3,900	48,700	12,700	2,900	10,200	218,100
1965	100	2,600	13,200	TR	14,700	5,200	66,100	1,300	5,600	3,200	33,100	7,100	1,600	5,000	158,800
1966	300	4,000	18,400	TR	9,100	9,600	34,300	900	4,900	2,200	45,700	7,100	8,600	7,100	152,200
1967	300	3,000	3,300	TR	15,400	4,400	70,300	1,100	900	2,800	73,200	14,100	8,200	10,400	207,400
1968	TR	1,700	3,300	TR	15,400	1,700	19,300	900	3,800	6,100	38,700	8,100	21,800	14,700	135,500
1969	300	1,400	5,300	0	14,200	2,000	54,600	1,300	3,600	10,600	40,300	500	4,700	10,300	149,100
1970	300	1,400	3,600	1,000	13,000	400	34,300	4,300	10,200	11,200	39,500	1,600	11,500	5,400	137,700
1971	800	1,300	4,000	0	17,900	7,700	30,900	1,900	5,200	3,700	51,200	600	2,500	7,000	134,700
1972	500	1,100	3,300	100	6,600	5,400	80,000	800	2,900	5,400	29,300	100	2,000	6,400	143,900
1973	500	1,000	2,700	0	20,800	3,900	21,800	9,800	13,500	3,500	64,100	300	3,000	9,100	154,000
1974	700	1,100	3,500	0	4,100	2,800	10,400	3,100	1,500	0	43,600	0	1,700	6,300	78,800
1975	400	1,100	3,600	100	14,200	9,800	41,000	900	2,300	800	34,300	0	300	7,200	116,000
1976	300	800	3,700	400	24,400	10,600	16,500	6,300	7,000	1,400	69,400	TR	2,000	9,600	152,400
1977	600	800	1,400	600	10,200	3,400	12,300	800	4,400	3,000	57,500	100	300	5,200	100,600
1978	400	700	2,400	200	6,700	2,300	7,300	1,700	3,300	3,400	50,700	0	2,300	10,000	91,400
1979	500	1,000	1,100	TR	5,700	3,200	7,800	300	6,900	2,700	42,900	300	900	5,200	78,500
1980	100	600	2,600	400	12,600	4,600	11,900	800	10,100	1,700	27,600	0	100	4,600	77,700
1981	200	800	2,200	300	13,700	6,700	9,400	200	10,100	1,500	35,100	100	700	8,600	89,600
1982	100	700	1,000	200	8,600	6,900	13,100	TR	3,500	5,100	24,300	0	200	7,200	70,900
1983	100	800	2,900	100	4,400	4,100	27,400	100	6,900	1,700	39,400	0	600	4,000	92,500
1984	TR	800	1,400	TR	2,500	2,200	8,100	TR	7,500	700	32,800	0	3,000	2,300	61,300
1985	100	1,000	500	TR	3,000	3,800	7,300	TR	4,200	2,600	31,000	100	200	3,900	57,700
1986	300	1,000	400	TR	7,600	5,700	13,600	100	3,900	6,600	49,900	100	1,700	5,700	96,600
1987	TR	1,200	1,200	TR	7,900	2,600	32,000	300	2,100	3,400	18,600	100	1,600	3,100	74,100
1988	TR	900	1,400	TR	4,800	3,600	22,500	TR	6,600	8,100	56,200	TR	300	4,900	109,300
1989	TR	1,200	2,600	TR	2,900	3,300	15,300	TR	2,200	3,900	32,000	TR	500	5,600	69,500
1990	106	1,807	2,068	109	5,816	4,357	10,155	96	2,828	1,856	52,159	50	2,200	3,200	86,807
1991	36	890	724	112	108	848	16,544	0	5,773	4,143	14,830	0	124	4,849	48,981
1992	211	2,305	3,182	12	3,725	2,364	41,398	0	3,047	597	16,502	112	1,638	1,183	76,276
1993***	20	1,373	1,870	48	7,225	3,061	38,915	944	2,544	715	18,847	35	1,538	1,274	78,409
1994	27	1,208	NS**	18	5,021	3,730	27,142	583	8,606	790	33,071	0	612	1,994	82,802
1995	2	1,267	10,302	10	8,230	2,703	41,465	50	4,521	97	22,971	0	68	1,719	93,405
1996	8	774	7,014	202	2,100	2,389	23,441	579	11,163	203	36,945	0	29	5,922	90,769
1997***	3	181	1,090	41	2,769	2,015	9,347	974	2,380	161	16,066	0	13	2,404	37,444
1998	22	3,768	5,230	8	2,325	1,777	11,152	1,806	856	355	9,504	0	35	4,051	40,889
1999	0	810	3,896	17	25	4,660	13,807	387	2,676	75	16,837	0	28	3,448	46,666
2000	8	1,148	7,771	17	4,254	2,723	10,778	14	1,284	0	7,665	0	23	1,068	36,753

Continued on next page

NUMBERS OF BLACK DUCKS OBSERVED DURING THE MIDWINTER WATERFOWL SURVEY IN THE MISSISSIPPI FLYWAY

YEAR	MN	WI	MI	IA	IL	IN	OH	MO	KY	AR	TN	LA	MS	AL	MF TOTAL
<i>Continued from previous page</i>															
2001	6	537	1,535	0	93	2,242	12,512	92	10,676	4	16,972	154	21	1,577	46,421
2002	8	1,037	5,211	1	335	1,327	13,961	20	2,471	12	10,121	0	24	4,839	39,367
2003	19	727	2,855	55	1,245	626	4,691	29	861	36	12,318	0	8	847	24,317
2004	9	NS**	7,677	27	966	535	5,376	16	739	0	3,803	0	2	1,121	20,271
2005	30	884	649	72	2,075	232	3,240	20	1,179	6	9,847	1	0	1,617	19,852
2006	87	400	2692	4	2,081	801	6,942	17	868	6	7,661	0	7	2,611	24,177
2007	60	631	2136	556	366	638	3,871	963	422	0	5,013	0	2	1,342	16,000
2008	9	649	3,158	0	1,707	304	5,644	559	786	36	6,300	0	0	1,404	20,583
2009	2	660	2,888	6	846	466	8,055	317	1,414		6,444	0	8	2,094	23,200
2010	8	405	1,973	3	258	325	3,475	251	1,507	82	9,771	0	9	2,348	20,442
2011	66	360	1,843	1	875	765	4,503	1,642	564	0	7,703	0	0	777	19,099
2012	13	549	NS**	2	751	2,903	9,705	809	1,832	83	5,378	0	0	758	22,783
2013	5	155	NS**	1	1,330	670	7,697	988	935	0	4,527	2	0	529	16,839
2014	4	183	1,418	11	270	615	7,332	24	2,404	0	6,556	0	0	932	19,749
2015	4	161	2,176		872	282	19,137	42	859		5,509			413	29,455
2016	9	333	2,556	8	5,145	373	6,195	9	1,106	0	3,464			725	19,923
AVERAGES:															
55-60	283	3,783	22,317	67	23,133	48,683	42,350	1,900	12,450	3,867	17,900	21,667	2,250	4,383	205,000
61-65	120	3,500	9,220	100	15,860	6,460	49,240	1,920	11,720	3,240	30,180	12,560	3,380	10,060	157,500
66-70	300	2,300	6,780	500	13,420	3,620	42,560	1,700	4,680	6,580	47,480	6,280	10,960	9,580	156,380
71-75	580	1,120	3,420	40	12,720	5,920	36,820	3,300	5,080	2,680	44,500	200	1,900	7,200	125,480
76-80	380	780	2,240	400	11,920	4,820	11,160	1,980	6,340	2,440	49,620	100	1,120	6,920	100,120
81-85	125	820	1,600	200	6,440	4,740	13,060	150	6,440	2,320	32,520	40	940	5,200	74,400
86-90	203	1,221	1,534	109	5,803	3,911	18,711	165	3,526	4,771	41,772	83	1,260	4,500	87,261
91-95	59	1,409	4,020	40	4,862	2,541	33,093	315	4,898	1,268	21,244	29	796	2,204	75,975
96-2000	8	1,336	5,000	57	2,295	2,713	13,705	752	3,672	159	17,403	0	26	3,379	50,504
2001-05	14	796	3,585	31	943	992	7,956	35	3,185	12	10,612	31	11	2,000	30,046
2006-10	33	549	2,569	114	1,052	507	5,597	421	999	31	7,038	0	5	1,960	20,880
2011-16	17	290	1,998	5	1,541	935	9,095	586	1,283	17	5,523	1	0	689	21,308

* - TRace = Fewer than 50

** - NS = No Survey

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*** - INCOMPLETE SURVEY. ESTIMATES FOR THE FLYWAY AND SOME STATES (IL, LA, 93; LA, MS, 97), ARE NOT COMPARABLE WITH OTHER YEARS.

Population estimates (SE) for mallards from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	12,775 (4,297)	45,110 (14,993)	24,315 (4,654)	27,803 (6,163)	8,099 (3,566)	185,616 (20,454)	171,326 (26,278)	46,063 (10,037)	4,795 (2,889)	97,698 (30,619)	38,601 (12,286)	886,562 (49,870)
1994	18,337 (5,543)	37,450 (7,770)	28,421 (5,987)	36,062 (8,130)	2,283 (1,263)	206,872 (23,264)	270,778 (51,384)	48,474 (6,521)	3,460 (1,621)	108,019 (21,680)	85,246 (28,146)	856,313 (62,774)
1995	28,139 (11,207)	35,195 (9,160)	42,957 (5,902)	31,639 (8,016)	3,372 (1,262)	237,910 (35,880)	257,338 (49,393)	56,285 (8,415)	896 (481)	69,171 (18,945)	61,442 (21,995)	864,120 (70,395)
1996	9,154 (3,233)	41,115 (9,690)	38,878 (7,275)	26,806 (4,969)	4,729 (1,560)	241,608 (32,927)	220,148 (33,230)	56,088 (8,753)	407 (288)	78,704 (22,318)	93,437 (31,410)	848,645 (61,074)
1997	26,301 (7,293)	32,120 (8,103)	51,302 (8,940)	28,697 (6,742)	6,165 (2,020)	214,950 (22,671)	223,017 (31,517)	50,757 (9,381)	2,556 (1,554)	57,531 (11,877)	56,425 (15,239)	795,176 (49,596)
1998	15,027 (5,030)	26,166 (5,603)	49,043 (7,328)	26,364 (6,596)	3,692 (1,542)	213,372 (25,960)	191,082 (23,089)	50,416 (6,696)	2,088 (985)	84,390 (21,509)	71,600 (24,987)	775,213 (49,718)
1999	19,315 (6,234)	38,271 (9,340)	53,249 (7,841)	36,053 (9,362)	3,307 (2,210)	223,692 (32,239)	246,359 (35,614)	57,277 (8,009)	4,252 (2,463)	94,877 (26,761)	72,228 (26,846)	879,953 (60,173)
2000	18,036 (5,210)	33,448 (7,483)	44,489 (8,221)	34,276 (8,677)	4,371 (2,043)	228,791 (29,367)	185,318 (28,992)	51,547 (6,138)	2,790 (1,558)	57,989 (15,706)	54,838 (13,534)	762,555 (48,701)
2001	31,290 (8,627)	21,317 (5,976)	50,432 (7,727)	34,121 (6,530)	1,474 (635)	237,501 (32,949)	190,137 (23,647)	50,402 (7,241)	3,543 (1,637)	80,359 (15,570)	69,075 (20,103)	809,438 (51,572)
2002	21,074 (9,420)	33,353 (8,445)	55,150 (9,336)	38,856 (8,202)	3,045 (1,467)	235,999 (30,922)	171,752 (24,458)	61,601 (10,360)	4,351 (3,102)	90,053 (20,221)	81,872 (26,032)	833,514 (56,235)
2003	27,480 (7,703)	25,140 (7,529)	59,764 (9,943)	27,066 (5,471)	2,538 (887)	206,404 (28,009)	170,067 (25,758)	50,656 (6,720)	2,511 (1,538)	49,334 (9,752)	72,799 (29,882)	731,907 (47,025)
2004	38,215 (11,196)	50,812 (14,912)	53,949 (10,807)	39,991 (7,551)	7,728 (3,015)	185,350 (22,579)	177,715 (25,183)	61,517 (10,303)	4,698 (3,555)	56,593 (11,831)	64,383 (20,470)	806,554 (51,747)
2005	19,971 (4,852)	50,781 (14,848)	52,110 (11,191)	29,811 (6,993)	3,268 (1,022)	214,270 (30,979)	197,975 (31,726)	45,237 (8,275)	2,426 (1,462)	43,954 (12,918)	61,613 (21,277)	753,622 (53,619)
2006	25,041 (9,282)	38,277 (9,759)	58,142 (10,582)	34,741 (6,982)	2,538 (1,269)	151,788 (23,478)	174,374 (27,282)	56,134 (8,310)	NS ^a	50,696 (9,052)	70,760 (18,467)	721,402 (47,639)
2007	13,945 (3,988)	38,703 (11,094)	53,786 (10,132)	35,445 (8,098)	4,012 (1,225)	179,102 (22,029)	181,540 (29,509)	52,336 (7,743)	1,153 (726)	35,433 (7,275)	38,060 (13,300)	687,578 (46,724)
2008	21,034 (8,604)	33,294 (12,421)	48,452 (10,145)	37,633 (7,596)	2,538 (1,269)	184,292 (28,500)	131,477 (18,909)	45,029 (5,936)	5,135 (1,790)	42,610 (7,031)	34,107 (12,161)	819,095 (60,682)
2009	21,305 (8,155)	26,978 (7,979)	35,922 (10,619)	37,733 (7,218)	1,089 (574)	184,287 (27,021)	187,697 (28,111)	43,023 (5,539)	4,675 (2,476)	32,231 (7,202)	49,709 (15,275)	666,752 (45,695)
2010	21,034 (8,478)	27,248 (7,592)	47,001 (12,404)	36,328 (8,766)	3,255 (1,641)	194,849 (31,917)	161,675 (25,131)	32,864 (4,818)	5,081 (2,481)	57,291 (14,122)	50,417 (15,747)	651,709 (49,122)
2011	19,001 (5,058)	19,334 (4,661)	68,065 (17,655)	34,043 (8,001)	385 (358)	164,526 (27,393)	132,903 (20,809)	35,151 (4,811)	1,388 (862)	47,846 (10,720)	20,875 (8,221)	586,089 (41,561)
2012	31,167 (8,662)	25,878 (9,522)	61,985 (16,171)	26,923 (6,346)	2,935 (1,373)	150,601 (26,642)	127,637 (19,035)	35,917 (4,410)	7,634 (3,620)	41,387 (12,420)	59,190 (25,048)	612,587 (45,776)
2013	25,307 (7,739)	30,029 (9,298)	48,739 (11,521)	37,529 (6,646)	5,473 (1,593)	176,895 (23,542)	138,804 (18,527)	31,408 (7,504)	2,210 (1,531)	40,972 (9,856)	52,847 (22,509)	604,157 (42,755)
2014	26,206 (7,171)	37,297 (16,636)	47,478 (10,574)	29,460 (7,205)	2,525 (1,030)	170,298 (26,630)	144,003 (17,385)	27,291 (7,358)	4,826 (2,251)	51,741 (15,071)	69,043 (23,810)	634,582 (48,937)
2015	23,181 (4,521)	25,695 (8,816)	57,698 (13,240)	24,395 (4,727)	1,461 (823)	141,635 (27,054)	136,779 (22,172)	30,624 (9,169)	3,072 (2,358)	22,876 (7,555)	50,970 (20,724)	540,087 (551,258)
2016	23,469 (5,584)	20,748 (7,562)	43,088 (11,488)	33,085 (7,251)	2,538 (1,156)	154,212 (25,198)	128,982 (19,552)	29,187 (7,456)	4,164 (2,652)	41,523 (13,710)	42,287 (12,266)	551,257 (45,110)

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Sheet MALL

^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for mallards from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	6,388 (2,149)	22,555 (7,496)	12,137 (2,327)	13,901 (3,082)	4,050 (1,783)	85,188 (9,138)	80,718 (12,462)	22,157 (4,561)	2,398 (1,445)	43,898 (13,536)	15,511 (4,362)	324,020 (23,075)
1994	9,169 (2,771)	18,725 (3,885)	14,211 (2,994)	17,003 (3,743)	1,141 (632)	103,436 (11,632)	135,389 (25,692)	24,237 (3,261)	1,730 (810)	54,010 (10,840)	42,623 (14,073)	427,254 (31,354)
1995	11,614 (3,605)	17,598 (4,580)	21,478 (2,951)	15,065 (3,696)	1,686 (631)	106,384 (12,415)	120,118 (22,611)	27,552 (4,144)	448 (241)	33,206 (9,428)	30,721 (10,997)	404,837 (30,111)
1996	4,577 (1,617)	20,557 (4,845)	19,339 (3,637)	13,403 (2,485)	1,827 (676)	106,960 (12,539)	108,731 (16,612)	27,233 (4,247)	203 (144)	36,448 (10,342)	43,512 (13,535)	403,919 (28,367)
1997	12,424 (3,585)	16,060 (4,052)	24,955 (4,355)	13,091 (3,211)	3,082 (1,010)	101,325 (10,335)	109,767 (15,593)	24,674 (4,280)	1,278 (777)	27,810 (5,872)	27,752 (7,517)	383,296 (23,653)
1998	7,514 (2,515)	13,083 (2,801)	24,522 (3,664)	13,182 (3,298)	1,846 (771)	101,794 (12,286)	92,453 (10,692)	24,492 (3,321)	1,044 (492)	39,364 (10,475)	30,122 (9,570)	374,612 (24,079)
1999	9,658 (3,117)	18,576 (4,680)	24,555 (3,500)	17,397 (4,473)	1,654 (1,105)	95,972 (11,973)	121,515 (17,768)	28,639 (4,004)	2,126 (1,231)	44,717 (12,158)	34,322 (13,087)	421,492 (28,771)
2000	8,728 (2,604)	16,724 (3,742)	22,244 (4,110)	17,014 (4,352)	2,185 (1,021)	102,039 (12,735)	88,443 (12,907)	25,032 (2,823)	1,320 (776)	28,597 (7,844)	20,057 (4,736)	359,398 (22,288)
2001	15,645 (4,313)	11,063 (2,987)	25,216 (3,864)	17,029 (3,265)	737 (318)	110,485 (14,399)	89,243 (10,836)	23,941 (3,251)	1,772 (818)	40,180 (7,785)	29,973 (9,211)	385,824 (23,400)
2002	10,537 (4,710)	16,677 (4,223)	25,084 (3,518)	19,428 (4,101)	1,522 (734)	114,983 (15,141)	84,534 (11,648)	28,933 (4,404)	2,101 (1,549)	43,575 (9,371)	33,911 (11,623)	400,730 (26,599)
2003	13,740 (3,852)	12,570 (3,764)	29,096 (4,759)	13,495 (2,735)	2,269 (443)	96,292 (12,818)	82,302 (12,498)	25,208 (3,360)	1,255 (769)	18,749 (4,124)	32,713 (14,617)	347,309 (22,299)
2004	19,108 (5,598)	25,406 (7,456)	23,566 (4,438)	19,366 (3,613)	3,864 (1,508)	90,629 (10,964)	84,806 (12,051)	30,633 (5,143)	576 (363)	21,086 (4,331)	32,192 (10,235)	387,141 (25,135)
2005	9,986 (2,426)	24,693 (6,997)	26,055 (5,595)	13,271 (2,334)	1,634 (511)	102,809 (14,403)	95,685 (15,016)	22,178 (4,130)	1,123 (729)	15,945 (2,802)	26,331 (9,781)	358,214 (25,213)
2006	12,521 (4,641)	17,788 (4,251)	26,368 (4,438)	16,742 (3,211)	1,269 (634)	73,875 (11,409)	80,667 (12,604)	27,569 (3,993)	NS ^a	24,789 (4,423)	34,064 (8,697)	345,742 (22,568)
2007	6,973 (1,994)	19,351 (5,547)	23,353 (4,434)	16,716 (3,461)	2,006 (613)	85,664 (10,773)	90,238 (14,672)	25,426 (3,722)	576 (363)	17,452 (3,625)	18,223 (6,575)	332,549 (22,778)
2008	10,517 (4,302)	16,647 (6,211)	23,570 (4,976)	17,936 (3,540)	1,269 (634)	86,169 (13,155)	65,739 (9,455)	21,879 (2,873)	2,568 (895)	21,305 (3,515)	17,054 (6,080)	301,700 (19,728)
2009	10,653 (4,077)	13,489 (3,990)	17,290 (4,848)	18,112 (3,503)	545 (287)	91,214 (13,251)	92,509 (14,022)	21,194 (2,753)	2,337 (1,238)	13,363 (3,212)	18,663 (5,679)	321,830 (22,256)
2010	10,517 (4,239)	13,219 (3,755)	21,402 (5,453)	18,038 (4,393)	1,628 (821)	85,083 (12,847)	78,677 (12,298)	15,571 (2,373)	2,541 (1,241)	22,323 (5,819)	21,685 (7,149)	301,352 (22,368)
2011	9,501 (2,529)	9,667 (2,330)	31,672 (7,120)	17,150 (4,004)	192 (179)	73,327 (9,258)	61,790 (9,614)	17,187 (2,396)	694 (431)	22,471 (5,063)	10,438 (4,110)	277,354 (18,157)
2012	15,583 (4,331)	12,939 (4,761)	30,993 (8,085)	12,176 (2,659)	1,468 (687)	74,225 (12,979)	60,499 (9,198)	17,535 (2,175)	3,817 (1,810)	16,976 (5,116)	29,595 (12,524)	292,799 (21,529)
2013	12,654 (2,869)	15,014 (4,649)	23,611 (5,256)	18,764 (3,323)	2,737 (797)	88,447 (11,771)	69,402 (9,263)	15,704 (3,752)	1,105 (766)	16,670 (3,523)	18,866 (7,300)	289,552 (19,233)
2014	12,309 (3,511)	18,649 (8,318)	23,739 (5,287)	14,730 (3,603)	1,262 (515)	77,542 (11,412)	72,016 (8,692)	13,646 (3,679)	2,413 (1,125)	25,870 (7,536)	27,109 (9,480)	301,699 (22,353)
2015	11,591 (2,261)	12,847 (4,408)	28,849 (6,620)	11,568 (2,128)	731 (411)	67,538 (12,187)	68,389 (11,086)	15,312 (4,585)	1,536 (1,179)	10,349 (2,968)	18,621 (6,830)	258,762 (21,075)
2016	1,627 (989)	10,374 (3,781)	20,473 (4,932)	15,159 (3,165)	1,269 (578)	73,167 (11,224)	61,721 (9,484)	14,594 (3,728)	2,082 (1,326)	17,053 (4,575)	21,144 (6,133)	260,793 (19,638)

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for black ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	1,132 (1,130)	15,025 (3,217)	5,901 (1,661)	1,965 (1,176)	1,009 (1,006)	11,954 (6,066)	2,529 (1,933)	12,397 (2,129)	4,507 (2,016)	8,372 (3,353)	10,860 (6,102)	80,158 (11,033)
1994	1,403 (1,402)	6,237 (2,769)	2,869 (1,073)	1,120 (720)	39 (23)	12,980 (4,152)	994 (766)	16,564 (3,737)	2,668 (2,149)	5,539 (3,013)	8,557 (3,724)	60,930 (8,667)
1995	10,904 (8,498)	15,706 (10,607)	5,894 (2,714)	858 (551)	26 (24)	12,696 (3,945)	3,776 (1,886)	14,243 (3,847)	301 (137)	4,937 (1,741)	2,859 (1,574)	72,507 (13,169)
1996	1,403 (1,402)	11,568 (4,700)	7,215 (2,391)	355 (257)	26 (14)	3,580 (1,950)	1,299 (959)	25,950 (7,897)	1,598 (1,427)	6,448 (1,935)	2,757 (1,547)	77,316 (17,521)
1997	1,403 (1,402)	6,925 (2,646)	12,012 (3,881)	3,048 (1,553)	13 (12)	8,643 (2,917)	2,889 (1,565)	15,778 (4,677)	1,070 (732)	2,433 (908)	12,609 (6,543)	65,578 (9,050)
1998	0 (0)	9,164 (3,270)	9,713 (3,846)	456 (357)	26 (14)	12,667 (5,130)	2,749 (1,511)	26,200 (9,359)	1,250 (766)	2,433 (656)	1,976 (1,161)	81,689 (20,458)
1999	1,270 (879)	7,671 (3,320)	6,815 (2,075)	1,158 (1,015)	33 (30)	10,173 (3,499)	2,889 (1,743)	34,592 (10,965)	1,371 (747)	2,222 (588)	4,336 (2,019)	82,421 (14,392)
2000	581 (580)	7,342 (2,589)	6,548 (1,905)	1,864 (1,143)	39 (23)	11,839 (3,662)	709 (510)	30,225 (8,904)	4,761 (1,816)	5,026 (1,128)	5,420 (2,177)	87,009 (15,421)
2001	635 (634)	2,660 (1,325)	5,907 (2,159)	2,407 (1,245)	52 (48)	15,030 (5,247)	4,052 (2,845)	20,622 (5,680)	4,567 (2,024)	3,808 (912)	4,974 (2,524)	69,627 (11,263)
2002	3,667 (1,948)	8,301 (2,870)	7,838 (2,564)	228 (163)	0 (0)	6,679 (2,467)	4,020 (2,883)	19,597 (5,022)	4,592 (2,423)	3,406 (1,434)	1,903 (1,084)	68,637 (12,211)
2003	1,132 (788)	4,887 (2,423)	6,118 (2,868)	722 (271)	0 (0)	12,050 (4,128)	1,245 (887)	18,859 (4,725)	3,618 (1,641)	899 (423)	4,579 (3,303)	64,898 (11,357)
2004	2,806 (1,773)	8,814 (3,409)	5,214 (2,223)	405 (305)	0 (0)	4,754 (2,396)	0 (0)	15,593 (3,186)	6,634 (4,251)	6,672 (2,996)	2,950 (2,128)	53,891 (7,713)
2005	566 (565)	9,212 (3,355)	2,507 (1,490)	583 (265)	0 (0)	10,770 (3,584)	0 (0)	12,743 (3,222)	1,959 (971)	3,568 (1,117)	2,634 (1,487)	49,745 (8,469)
2006	0 (0)	7,606 (2,781)	853 (539)	507 (431)	13 (12)	12,223 (3,942)	0 (0)	14,908 (3,324)	NS ^a	4,242 (1,280)	2,575 (2,115)	51,924 (8,880)
2007	0 (0)	3,808 (2,156)	3,681 (1,789)	1,741 (1,093)	0 (0)	14,743 (8,059)	3,433 (2,052)	17,991 (3,765)	4,748 (2,009)	3,861 (1,125)	1,447 (1,081)	62,355 (11,608)
2008	1,403 (1,402)	1,456 (997)	2,325 (1,190)	456 (192)	0 (0)	16,674 (7,798)	537 (536)	22,398 (6,534)	3,317 (2,190)	2,116 (851)	234 (107)	65,121 (16,838)
2009	1,132 (1,130)	3,034 (1,468)	2,115 (1,078)	481 (230)	26 (24)	3,624 (1,538)	1,278 (724)	15,016 (2,879)	1,672 (810)	2,433 (825)	293 (144)	39,523 (6,228)
2010	2,264 (1,352)	3,564 (1,928)	4,785 (1,862)	1,234 (1,028)	673 (672)	2,013 (1,532)	537 (536)	11,958 (3,275)	1,189 (798)	1,005 (369)	469 (215)	38,155 (8,495)
2011	0 (0)	4,604 (1,718)	6,358 (2,579)	793 (530)	13 (12)	6,977 (2,610)	852 (596)	10,793 (2,925)	1,916 (1,131)	3,470 (1,101)	394 (169)	38,717 (6,919)
2012	1,216 (860)	4,076 (2,000)	5,008 (2,446)	355 (179)	0 (0)	5,165 (2,160)	0 (0)	6,934 (1,482)	2,619 (1,107)	2,433 (638)	469 (180)	64,910 (13,717)
2013	0 (0)	4,480 (1,934)	6,145 (2,066)	621 (318)	1,935 (1,208)	11,667 (5,504)	4,278 (1,981)	10,340 (3,057)	1,130 (752)	3,938 (1,364)	1,222 (1,059)	49,735 (8,041)
2014	0 (0)	18,784 (15,122)	12,347 (7,087)	1,822 (883)	359 (358)	8,833 (3,903)	716 (516)	10,465 (3,488)	301 (106)	2,780 (1,060)	1,202 (680)	54,483 (13,141)
2015	0 (0)	1,675 (1,229)	8,348 (3,769)	253 (134)	0 (0)	19,881 (13,240)	0 (0)	3,651 (719)	1,536 (1,534)	2,345 (1,047)	3,725 (3,434)	42,429 (14,573)
2016	1,270 (879)	2,214 (1,285)	6,403 (2,718)	177 (88)	0 (0)	9,158 (3,103)	1,851 (1,486)	8,209 (1,951)	5,880 (5,753)	2,010 (738)	586 (234)	39,749 (8,467)

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Breeding pairs estimates (SE) for black ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	566 (565)	7,513 (1,608)	2,889 (810)	945 (577)	505 (503)	5,977 (3,033)	1,264 (967)	5,803 (990)	2,254 (1,008)	4,186 (1,676)	5,430 (3,051)	39,464 (5,485)
1994	702 (701)	3,118 (1,385)	1,434 (536)	560 (360)	20 (11)	6,490 (2,076)	497 (383)	7,587 (1,735)	1,184 (1,066)	2,769 (1,507)	4,161 (1,854)	29,472 (4,255)
1995	3,348 (2,187)	7,853 (5,303)	2,772 (1,325)	429 (279)	13 (12)	5,533 (1,804)	1,888 (943)	6,330 (1,574)	150 (69)	2,310 (839)	1,429 (787)	32,670 (5,919)
1996	702 (701)	5,784 (2,350)	3,542 (1,190)	177 (129)	13 (7)	1,694 (970)	649 (480)	9,599 (2,388)	799 (713)	2,827 (917)	1,379 (774)	31,674 (5,042)
1997	702 (701)	3,463 (1,323)	4,500 (1,191)	1,524 (777)	7 (6)	4,059 (1,426)	1,444 (783)	7,112 (2,040)	535 (366)	1,217 (454)	5,830 (3,216)	29,792 (4,079)
1998	0 (0)	4,582 (1,635)	4,856 (1,923)	228 (179)	13 (7)	6,334 (2,565)	1,375 (755)	8,692 (2,572)	625 (383)	1,217 (328)	988 (580)	31,833 (4,885)
1999	635 (440)	3,836 (1,660)	3,346 (1,035)	579 (507)	0 (0)	5,087 (1,749)	1,444 (871)	15,008 (4,827)	685 (374)	1,111 (294)	2,168 (1,010)	38,693 (6,620)
2000	291 (290)	3,671 (1,295)	2,997 (889)	932 (572)	20 (11)	5,423 (1,800)	354 (255)	11,983 (2,873)	1,779 (814)	2,275 (489)	2,285 (1,041)	36,006 (4,902)
2001	318 (317)	1,330 (663)	2,954 (1,079)	1,204 (622)	26 (24)	7,489 (2,623)	2,026 (1,422)	8,969 (2,330)	2,284 (1,012)	1,904 (456)	2,487 (1,262)	31,942 (4,544)
2002	1,834 (974)	4,151 (1,435)	3,919 (1,282)	114 (82)	0 (0)	2,568 (1,148)	2,010 (1,442)	7,997 (1,493)	2,221 (1,203)	1,703 (717)	878 (539)	29,026 (3,645)
2003	566 (394)	2,443 (1,212)	3,059 (1,434)	253 (94)	0 (0)	5,472 (2,038)	622 (444)	8,370 (1,769)	1,809 (820)	264 (128)	2,290 (1,651)	28,863 (4,186)
2004	1,403 (887)	4,407 (1,704)	2,607 (1,111)	203 (153)	0 (0)	2,377 (1,198)	0 (0)	7,344 (1,467)	1,545 (585)	2,959 (1,481)	1,475 (1,064)	25,028 (3,499)
2005	283 (282)	4,606 (1,677)	1,254 (745)	291 (132)	0 (0)	4,668 (1,666)	0 (0)	5,312 (1,136)	980 (485)	1,731 (560)	1,317 (743)	21,471 (3,127)
2006	0 (0)	3,803 (1,391)	426 (270)	253 (215)	7 (6)	6,111 (1,971)	0 (0)	7,083 (1,578)	NS ^a	2,121 (640)	1,200 (1,055)	24,907 (4,225)
2007	0 (0)	925 (535)	1,840 (895)	870 (547)	0 (0)	7,100 (4,027)	1,717 (1,026)	6,654 (943)	2,374 (1,004)	1,269 (348)	611 (530)	24,714 (4,253)
2008	702 (701)	728 (498)	1,163 (595)	228 (96)	0 (0)	8,337 (3,899)	269 (268)	7,628 (1,382)	1,659 (1,095)	793 (291)	117 (54)	24,204 (4,360)
2009	566 (565)	1,517 (734)	1,057 (539)	241 (115)	13 (12)	1,812 (769)	639 (362)	6,039 (1,147)	715 (387)	846 (287)	146 (72)	17,823 (2,933)
2010	1,132 (676)	1,782 (964)	2,392 (931)	604 (511)	336 (336)	289 (272)	269 (268)	4,782 (1,004)	595 (399)	503 (184)	234 (107)	15,431 (2,736)
2011	0 (0)	2,302 (859)	3,179 (1,290)	396 (265)	7 (6)	3,488 (1,305)	426 (298)	4,210 (1,223)	958 (565)	1,735 (551)	197 (85)	18,146 (3,348)
2012	608 (430)	2,038 (1,000)	2,504 (1,223)	177 (90)	0 (0)	2,408 (1,059)	0 (0)	3,100 (556)	1,069 (540)	1,217 (319)	234 (90)	13,407 (2,093)
2013	0 (0)	2,240 (967)	2,577 (834)	266 (129)	968 (604)	5,834 (2,752)	2,139 (990)	4,789 (1,448)	565 (376)	1,731 (619)	611 (530)	23,426 (3,832)
2014	0 (0)	7,593 (5,780)	3,289 (1,201)	911 (441)	179 (179)	4,417 (1,952)	358 (258)	3,128 (1,059)	150 (53)	1,390 (530)	528 (334)	20,907 (4,569)
2015	0 (0)	837 (614)	4,071 (1,878)	76 (46)	0 (0)	9,827 (6,618)	0 (0)	1,825 (359)	768 (767)	1,173 (523)	1,862 (1,717)	20,756 (7,278)
2016	635 (440)	1,107 (642)	2,532 (1,047)	89 (44)	0 (0)	4,579 (1,551)	925 (743)	3,441 (740)	60 (40)	1,005 (369)	293 (117)	15,214 (2,417)

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Population estimates (SE) for wood ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	12,627 (7,121)	24,378 (9,850)	7,727 (2,975)	9,376 (2,642)	336 (335)	75,604 (18,333)	81,499 (16,816)	11,223 (2,909)	1,538 (1,421)	43,392 (17,056)	42,689 (10,415)	311,924 (32,680)
1994	6,558 (5,652)	19,071 (6,535)	11,325 (3,341)	11,447 (4,781)	718 (716)	71,799 (13,721)	98,843 (23,433)	8,333 (2,002)	1,538 (1,421)	52,964 (22,874)	44,533 (12,929)	323,285 (34,730)
1995	13,386 (4,905)	23,462 (8,319)	18,987 (5,709)	9,056 (3,086)	359 (358)	98,796 (16,042)	95,397 (14,928)	13,542 (3,245)	709 (708)	17,278 (5,923)	68,575 (23,729)	367,019 (35,473)
1996	7,169 (3,145)	33,325 (15,989)	17,984 (4,712)	16,923 (7,064)	359 (358)	75,565 (16,345)	87,659 (13,003)	19,177 (4,414)	1,418 (1,416)	14,112 (6,166)	48,773 (12,129)	344,659 (32,139)
1997	5,225 (2,141)	15,105 (6,175)	21,096 (5,015)	14,026 (5,343)	1,435 (1,431)	88,738 (14,641)	123,140 (18,308)	15,511 (3,331)	301 (185)	13,274 (4,984)	58,383 (19,257)	385,644 (33,863)
1998	10,713 (5,098)	16,277 (5,633)	20,233 (4,704)	13,370 (4,483)	1,435 (975)	101,011 (15,803)	112,629 (15,509)	18,997 (3,716)	2,247 (2,125)	10,482 (3,408)	68,637 (16,808)	382,778 (28,585)
1999	15,113 (6,165)	16,280 (5,266)	27,632 (6,183)	3,872 (2,506)	1,794 (1,450)	97,010 (16,982)	122,783 (21,882)	20,475 (4,459)	2,956 (2,834)	15,702 (6,099)	57,013 (14,529)	402,170 (34,542)
2000	13,092 (6,845)	21,232 (7,157)	18,623 (5,357)	11,541 (4,258)	1,794 (1,450)	85,140 (13,732)	92,648 (14,268)	17,232 (4,196)	1,010 (737)	13,527 (3,848)	93,165 (34,725)	376,212 (35,008)
2001	4,468 (1,996)	8,814 (3,637)	15,636 (4,144)	14,499 (5,287)	1,076 (574)	89,922 (15,584)	116,298 (16,905)	18,534 (4,212)	1,418 (959)	10,685 (4,368)	74,680 (25,694)	388,204 (37,891)
2002	9,077 (4,031)	35,435 (12,473)	21,248 (5,478)	7,897 (2,494)	336 (335)	94,675 (16,697)	132,858 (21,639)	21,305 (5,203)	1,536 (1,534)	19,132 (5,423)	53,293 (18,841)	420,000 (37,804)
2003	8,984 (4,381)	22,043 (7,430)	19,797 (4,619)	10,504 (3,235)	359 (358)	89,158 (14,883)	93,711 (15,376)	19,510 (4,714)	0 (0)	13,005 (3,550)	36,027 (12,734)	341,945 (29,497)
2004	8,256 (3,994)	43,458 (19,847)	19,184 (5,178)	14,499 (3,218)	769 (521)	74,408 (13,971)	94,736 (18,242)	19,712 (5,285)	769 (710)	16,703 (6,564)	45,646 (14,411)	360,185 (36,035)
2005	3,441 (1,883)	39,615 (14,358)	15,394 (4,493)	11,511 (3,621)	2,153 (1,554)	90,456 (14,987)	132,552 (28,116)	15,220 (3,171)	709 (708)	17,429 (5,615)	56,422 (17,448)	413,558 (38,981)
2006	4,318 (2,946)	18,948 (6,133)	22,578 (6,090)	13,081 (3,183)	718 (488)	91,206 (15,520)	128,009 (23,639)	20,689 (4,203)	NS*	20,718 (6,546)	41,470 (11,501)	400,967 (34,124)
2007	6,273 (3,134)	25,985 (13,436)	31,067 (8,671)	22,076 (7,943)	359 (358)	102,129 (18,959)	127,848 (21,006)	19,258 (4,343)	1,538 (1,421)	11,411 (3,251)	40,155 (11,660)	426,574 (36,086)
2008	10,953 (6,402)	21,879 (8,400)	48,889 (20,098)	21,101 (7,755)	718 (716)	105,303 (16,846)	87,924 (13,865)	18,466 (3,604)	4,774 (3,216)	11,260 (4,320)	29,848 (10,696)	380,127 (34,468)
2009	8,364 (2,659)	20,940 (9,502)	12,391 (4,201)	11,891 (2,890)	718 (488)	95,059 (17,818)	128,060 (21,227)	15,965 (3,847)	1,501 (1,418)	8,944 (2,636)	27,075 (10,333)	367,998 (34,312)
2010	10,913 (5,544)	23,205 (7,769)	24,055 (7,048)	16,229 (3,906)	0 (0)	119,037 (22,039)	114,797 (16,693)	18,900 (3,880)	1,619 (1,536)	14,228 (6,192)	22,319 (7,083)	409,599 (35,018)
2011	4,520 (2,890)	17,139 (7,588)	34,305 (8,847)	18,862 (5,577)	718 (716)	97,133 (17,202)	107,045 (15,192)	20,988 (5,589)	0 (0)	10,685 (5,563)	21,643 (6,059)	382,736 (32,978)
2012	20,045 (13,784)	21,586 (7,377)	19,834 (3,997)	24,562 (6,789)	2,153 (876)	93,864 (13,975)	141,261 (20,280)	21,088 (4,338)	0 (0)	11,933 (5,060)	25,152 (9,330)	418,910 (33,177)
2013	13,176 (5,984)	25,092 (11,001)	31,965 (6,709)	14,202 (4,128)	3,075 (1,661)	79,451 (12,050)	121,256 (15,709)	12,856 (5,497)	83 (82)	3,629 (2,970)	25,098 (6,882)	361,156 (28,918)
2014	4,844 (1,985)	25,704 (11,880)	24,598 (5,972)	21,559 (4,938)	718 (488)	109,121 (18,901)	122,310 (15,853)	12,885 (4,288)	5,294 (3,411)	18,776 (11,359)	47,179 (17,646)	421,557 (36,137)
2015	3,372 (1,861)	27,082 (12,056)	40,520 (9,808)	11,038 (2,793)	718 (488)	92,718 (14,874)	111,322 (14,855)	19,681 (6,299)	332 (232)	11,112 (5,555)	65,181 (35,202)	406,188 (37,759)
2016	16,937 (5,799)	30,640 (14,353)	27,747 (6,626)	15,033 (3,936)	718 (716)	124,758 (19,854)	116,167 (15,701)	23,052 (10,850)	768 (767)	12,863 (6,053)	36,801 (19,997)	430,635 (37,494)

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* Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for wood ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	6,314 (3,561)	11,514 (4,697)	3,864 (1,487)	4,688 (1,321)	168 (168)	35,620 (8,821)	33,895 (5,787)	5,386 (1,424)	769 (710)	16,668 (5,562)	19,412 (4,550)	140,506 (14,229)
1994	3,279 (2,826)	7,646 (2,695)	5,663 (1,670)	4,823 (1,786)	359 (358)	32,405 (5,741)	43,165 (7,983)	4,167 (1,001)	769 (710)	24,014 (9,780)	22,266 (6,464)	148,298 (14,448)
1995	6,693 (2,452)	11,731 (4,160)	9,494 (2,854)	4,528 (1,543)	179 (179)	45,054 (7,308)	41,605 (6,584)	6,506 (1,460)	354 (354)	7,985 (2,683)	34,287 (11,864)	172,944 (16,949)
1996	3,585 (1,573)	13,220 (6,008)	8,992 (2,356)	8,461 (3,532)	179 (179)	31,796 (6,745)	42,375 (6,164)	7,310 (1,547)	709 (708)	7,056 (3,083)	24,387 (6,065)	156,201 (14,023)
1997	2,612 (1,071)	7,553 (3,088)	10,548 (2,507)	7,013 (2,671)	718 (716)	42,859 (7,077)	57,733 (8,852)	7,067 (1,500)	150 (92)	6,637 (2,492)	28,912 (9,613)	186,127 (16,610)
1998	5,356 (2,549)	8,139 (2,817)	10,117 (2,352)	5,176 (1,411)	718 (488)	48,226 (7,466)	52,368 (7,371)	9,499 (1,858)	1,124 (1,063)	5,241 (1,704)	34,319 (8,404)	184,725 (13,938)
1999	7,557 (3,083)	8,140 (2,833)	13,816 (3,091)	1,936 (1,253)	897 (725)	46,988 (8,062)	59,011 (10,253)	10,237 (2,230)	1,478 (1,417)	7,851 (3,049)	26,137 (6,546)	195,197 (16,512)
2000	4,441 (1,604)	10,616 (3,578)	9,311 (2,678)	5,771 (2,129)	897 (725)	42,334 (6,800)	43,296 (6,427)	8,491 (2,078)	505 (368)	6,764 (1,924)	31,312 (8,754)	174,417 (15,066)
2001	2,011 (985)	4,407 (1,818)	7,818 (2,072)	7,249 (2,644)	538 (287)	43,904 (7,712)	56,276 (8,271)	8,275 (1,738)	709 (479)	5,343 (2,184)	37,340 (12,847)	187,322 (18,336)
2002	4,539 (2,015)	16,503 (6,107)	10,624 (2,739)	3,948 (1,247)	168 (168)	45,145 (8,091)	65,684 (10,688)	10,490 (2,572)	768 (767)	9,566 (2,711)	20,064 (6,939)	202,090 (18,298)
2003	4,492 (2,190)	11,022 (3,715)	9,898 (2,310)	5,252 (1,617)	179 (179)	41,733 (7,323)	46,855 (7,688)	9,663 (2,353)	0 (0)	6,503 (1,775)	16,697 (6,134)	167,135 (14,664)
2004	3,279 (1,808)	20,054 (8,545)	5,992 (2,589)	7,249 (1,609)	384 (260)	37,204 (6,986)	47,368 (9,121)	9,856 (2,643)	385 (355)	7,953 (3,182)	17,898 (5,680)	173,292 (16,971)
2005	1,721 (942)	17,575 (6,665)	7,697 (2,247)	5,755 (1,810)	1,076 (777)	44,331 (7,442)	60,536 (11,653)	7,610 (1,585)	354 (354)	7,538 (2,171)	26,105 (7,521)	195,916 (17,690)
2006	2,159 (1,473)	9,474 (3,067)	11,289 (3,045)	6,541 (1,591)	359 (244)	45,603 (7,760)	61,014 (11,650)	10,344 (2,102)	NS*	8,137 (2,425)	19,155 (4,932)	194,578 (16,713)
2007	3,137 (1,567)	12,993 (6,718)	15,533 (4,336)	11,038 (3,972)	179 (179)	44,145 (6,893)	56,671 (7,538)	9,629 (2,172)	769 (710)	5,706 (1,625)	20,077 (5,830)	196,717 (15,616)
2008	5,477 (3,201)	7,597 (2,724)	24,445 (10,049)	10,550 (3,877)	359 (358)	51,134 (7,980)	42,791 (6,792)	9,233 (1,802)	792 (486)	5,630 (2,160)	14,924 (5,348)	185,867 (16,642)
2009	4,182 (1,330)	5,005 (1,964)	5,874 (2,012)	5,946 (1,445)	359 (244)	45,557 (7,900)	63,118 (10,581)	7,982 (1,923)	750 (709)	4,472 (1,318)	10,945 (4,282)	173,898 (15,767)
2010	5,457 (2,772)	11,603 (3,885)	12,028 (3,524)	7,989 (1,926)	0 (0)	58,589 (11,012)	56,265 (8,257)	9,195 (1,929)	810 (768)	3,848 (1,762)	10,295 (3,386)	198,490 (17,247)
2011	2,260 (1,445)	7,107 (3,211)	17,153 (4,423)	9,431 (2,788)	359 (358)	47,420 (8,464)	51,787 (7,426)	9,820 (2,503)	0 (0)	5,343 (2,782)	10,822 (3,029)	184,559 (15,817)
2012	4,761 (2,262)	10,793 (3,688)	9,917 (1,999)	12,281 (3,394)	1,076 (438)	45,146 (6,786)	67,931 (9,901)	9,921 (2,016)	0 (0)	5,966 (2,530)	12,576 (4,665)	200,618 (15,832)
2013	6,588 (2,992)	12,546 (5,500)	15,983 (3,355)	7,101 (2,064)	1,538 (831)	38,649 (9,969)	59,563 (7,481)	6,428 (2,749)	42 (41)	1,815 (1,485)	12,549 (3,441)	177,710 (13,958)
2014	2,422 (992)	12,852 (5,940)	12,299 (2,986)	10,780 (2,469)	359 (244)	54,561 (9,450)	61,155 (7,926)	6,443 (2,144)	2,647 (1,705)	9,388 (5,679)	21,615 (7,371)	209,525 (17,806)
2015	1,686 (931)	13,541 (6,028)	20,260 (4,904)	5,519 (1,397)	359 (244)	45,253 (7,241)	54,171 (7,225)	9,840 (3,150)	166 (116)	5,556 (2,777)	24,084 (9,745)	194,915 (16,440)
2016	8,469 (2,899)	14,713 (7,103)	13,873 (3,313)	7,516 (1,968)	359 (358)	61,449 (9,780)	55,248 (7,532)	11,526 (5,425)	384 (383)	6,431 (3,027)	18,400 (9,999)	210,335 (18,447)

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* Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for gadwall from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total	
2003	1,403 (1,402)	0 (0)	248 (247)	51 (49)	0 (0)	2,116 (1,170)	948 (845)	927 (115)	1,016 (747)	0 (0)	6,853 (3,694)	
2004	0 (0)	0 (0)	0 (0)	25 (24)	0 (0)	6,353 (3,192)	2,403 (2,128)	438 (274)	60 (59)	188 (187)	11,247 (5,272)	
2005	0 (0)	51 (0)	51 (0)	51 (0)	0 (0)	70 (43)	6,302 (99)	0 (0)	212 (144)	0 (0)	16,822 (14,021)	
2006	0 (0)	0 (0)	1,090 (1,048)	51 (49)	0 (0)	70 (43)	1,272 (896)	1,055 (894)	NS*	582 (477)	7,199 (3,320)	
2007	0 (0)	0 (0)	2,261 (1,699)	0 (0)	0 (0)	2,250 (1,513)	0 (0)	306 (146)	0 (0)	212 (144)	6,230 (2,321)	
2008	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	568 (544)	3,252 (2,968)	270 (136)	181 (127)	212 (210)	6,438 (6,540)	
2009	0 (0)	0 (0)	0 (0)	101 (97)	0 (0)	2,522 (1,615)	4,683 (2,727)	913 (638)	0 (0)	106 (105)	14,551 (8,165)	
2010	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1,425 (1,080)	601 (59)	0 (0)	0 (0)	3,521 (2,681)	
2011	0 (0)	0 (0)	0 (0)	51 (31)	0 (0)	1,287 (620)	283 (282)	1,249 (808)	331 (220)	0 (0)	645 (644)	6,078 (2,650)
2012	0 (0)	0 (0)	566 (525)	25 (24)	0 (0)	0 (0)	0 (0)	1,740 (1,464)	0 (0)	1,058 (1,048)	5,557 (3,726)	
2013	0 (0)	0 (0)	566 (525)	127 (70)	0 (0)	9,024 (7,644)	1,884 (1,033)	1,106 (754)	601 (59)	0 (0)	13,746 (7,623)	
2014	0 (0)	0 (0)	0 (0)	25 (24)	0 (0)	2,323 (2,054)	7,153 (4,395)	4,802 (4,825)	0 (0)	0 (0)	1,316 (1,315)	25,361 (11,879)
2015	0 (0)	0 (0)	41 (40)	25 (24)	0 (0)	4,033 (2,134)	1,511 (313)	1,911 (1,851)	0 (0)	112 (111)	1,149 (1,147)	8,328 (3,366)
2016	0 (0)	0 (0)	783 (589)	0 (0)	0 (0)	2,232 (1,636)	665 (396)	113 (111)	0 (0)	2,624 (1,808)	6,292 (2,410)	

* Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the states that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for gadwall from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	702 (701)	0 (0)	124 (123)	25 (24)	0 (0)	1,058 (683)	424 (423)	484 (350)	503 (374)	0 (0)	4,466 (1,347)
2004	0 (0)	0 (0)	13 (12)	0 (0)	3,177 (1,596)	141 (141)	219 (137)	30 (30)	0 (0)	0 (0)	3,259 (1,265)
2005	0 (0)	0 (0)	25 (15)	0 (0)	35 (21)	0 (0)	250 (248)	0 (0)	106 (72)	0 (0)	1,071 (897)
2006	0 (0)	0 (0)	545 (524)	25 (24)	0 (0)	35 (21)	293 (282)	157 (117)	NS*	106 (72)	1,754 (939)
2007	0 (0)	0 (0)	1,131 (849)	0 (0)	0 (0)	1,146 (656)	0 (0)	163 (73)	0 (0)	106 (72)	1,053 (1,052)
2008	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	252 (221)	141 (141)	135 (68)	90 (84)	106 (105)	971 (433)
2009	0 (0)	0 (0)	0 (0)	51 (49)	0 (0)	1,261 (607)	807 (880)	206 (126)	0 (0)	53 (32)	3,108 (1,231)
2010	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	207 (117)	30 (30)	0 (0)	630 (494)
2011	0 (0)	0 (0)	0 (0)	25 (15)	0 (0)	644 (460)	141 (141)	625 (404)	0 (0)	0 (0)	1,398 (1,397)
2012	0 (0)	0 (0)	283 (262)	13 (12)	0 (0)	0 (0)	234 (129)	0 (0)	0 (0)	0 (0)	934 (430)
2013	0 (0)	0 (0)	293 (262)	63 (30)	0 (0)	717 (467)	947 (816)	563 (277)	30 (30)	0 (0)	3,078 (1,555)
2014	0 (0)	0 (0)	0 (0)	13 (12)	0 (0)	1,461 (1,032)	961 (883)	85 (47)	0 (0)	0 (0)	658 (658)
2015	0 (0)	0 (0)	21 (20)	13 (12)	0 (0)	2,016 (1,067)	141 (141)	29 (28)	0 (0)	56 (55)	574 (574)
2016	2,987 (1,252)	0 (0)	392 (294)	0 (0)	0 (0)	1,116 (818)	283 (198)	87 (85)	0 (0)	56 (55)	2,481 (1,103)

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Population estimates (SE) for American green-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total	
2003	5,612 (5,608)	2,161 (1,284)	524 (523)	1,032 (1,005)	0 (0)	11,062 (5,425)	5,803 (3,467)	14,716 (6,450)	0 (0)	17,082 (8,003)	306 (301)	60,173 (13,237)
2004	2,806 (1,773)	1,005 (714)	646 (531)	25 (24)	0 (0)	13,810 (7,349)	9,138 (4,441)	8,274 (4,976)	1,805 (1,197)	31,142 (16,425)	1,055 (1,052)	55,016 (13,336)
2005	0 (0)	558 (557)	1,046 (753)	162 (146)	0 (0)	3,367 (2,319)	7,089 (3,963)	5,864 (1,775)	7,187 (4,182)	12,505 (3,762)	0 (0)	36,321 (9,897)
2006	0 (0)	647 (549)	1,614 (888)	51 (49)	0 (0)	10,544 (6,118)	7,172 (3,960)	13,025 (4,531)	NS*	29,304 (19,365)	1,406 (1,408)	64,402 (17,330)
2007	0 (0)	4,196 (2,460)	0 (0)	0 (0)	0 (0)	5,365 (3,182)	5,054 (3,037)	10,587 (3,898)	3,276 (2,380)	16,844 (7,584)	6,316 (6,313)	55,108 (11,919)
2008	1,403 (1,402)	836 (835)	1,898 (1,087)	380 (180)	0 (0)	17,557 (9,368)	1,979 (1,145)	10,004 (3,905)	602 (418)	846 (595)	559 (555)	43,995 (12,720)
2009	1,403 (1,402)	3,241 (2,379)	2,656 (1,951)	253 (117)	39 (39)	17,030 (7,305)	5,569 (2,429)	13,518 (3,715)	3,614 (1,888)	8,622 (6,538)	6,336 (6,330)	67,003 (12,629)
2010	4,209 (4,208)	540 (539)	1,049 (733)	309 (316)	0 (0)	12,711 (6,733)	2,054 (1,457)	19,785 (8,451)	15,096 (13,605)	1,798 (1,787)	0 (0)	70,763 (22,638)
2011	0 (0)	0 (0)	3,147 (1,926)	0 (0)	0 (0)	25,429 (14,728)	3,869 (1,888)	15,177 (7,373)	0 (0)	1,361 (897)	0 (0)	61,412 (20,495)
2012	0 (0)	0 (0)	15,222 (6,335)	101 (49)	0 (0)	15,672 (8,666)	7,528 (3,644)	19,637 (8,864)	0 (0)	2,222 (1,169)	0 (0)	60,028 (13,751)
2013	0 (0)	2,691 (1,654)	14,160 (6,734)	456 (225)	0 (0)	7,456 (4,054)	6,279 (2,910)	28,271 (14,734)	0 (0)	3,121 (1,714)	0 (0)	70,486 (21,009)
2014	0 (0)	558 (557)	7,016 (4,706)	545 (360)	26 (24)	5,040 (3,242)	5,008 (2,491)	20,340 (9,989)	708 (708)	523 (419)	0 (0)	48,367 (14,975)
2015	558 (557)	0 (0)	7,345 (6,625)	360 (326)	0 (0)	4,725 (2,771)	18,957 (8,601)	69 (64)	0 (0)	10,388 (8,782)	0 (0)	67,083 (25,336)
2016	581 (580)	2,970 (2,303)	16,597 (7,684)	279 (178)	0 (0)	8,367 (3,691)	1,557 (803)	6,046 (2,741)	0 (0)	6,142 (3,071)	8,984 (7,583)	45,674 (11,794)

* Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the states that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pairs estimates (SE) for American green-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total	
2003	1,068 (701)	1,068 (642)	292 (252)	516 (160)	0 (0)	3,570 (2,209)	2,982 (1,133)	1,568 (706)	0 (0)	453 (350)	0 (0)	12,822 (3,510)
2004	1,403 (887)	503 (387)	324 (265)	13 (12)	0 (0)	4,876 (3,256)	2,240 (1,121)	288 (182)	0 (0)	0 (0)	527 (528)	8,660 (2,743)
2005	0 (0)	279 (279)	324 (360)	76 (70)	0 (0)	1,796 (1,160)	2,520 (1,377)	1,122 (655)	0 (0)	106 (72)	0 (0)	7,386 (2,106)
2006	0 (0)	323 (274)	807 (444)	25 (24)	0 (0)	5,062 (3,052)	3,586 (1,980)	1,137 (608)	NS*	106 (72)	708 (704)	13,665 (4,594)
2007	0 (0)	0 (0)	2,098 (1,203)	0 (0)	0 (0)	3,869 (1,430)	2,532 (1,519)	1,455 (824)	0 (0)	1,428 (1,093)	0 (0)	13,155 (3,851)
2008	702 (701)	418 (417)	546 (387)	190 (180)	0 (0)	7,523 (3,779)	960 (573)	226 (150)	129 (87)	0 (0)	278 (278)	12,172 (4,215)
2009	702 (701)	1,621 (1,189)	1,329 (975)	127 (59)	20 (18)	7,438 (3,519)	1,654 (764)	1,539 (643)	799 (709)	53 (52)	0 (0)	17,022 (4,232)
2010	0 (0)	270 (270)	524 (366)	25 (24)	0 (0)	6,805 (3,397)	537 (536)	509 (280)	1,620 (1,917)	0 (0)	0 (0)	10,308 (3,624)
2011	0 (0)	0 (0)	1,573 (963)	0 (0)	0 (0)	10,008 (6,126)	1,311 (769)	325 (221)	0 (0)	416 (395)	0 (0)	15,207 (7,153)
2012	0 (0)	0 (0)	3,671 (2,082)	51 (24)	0 (0)	7,836 (3,333)	2,492 (1,562)	1,024 (653)	0 (0)	476 (257)	0 (0)	16,631 (4,670)
2013	0 (0)	1,346 (827)	4,459 (2,220)	162 (80)	0 (0)	2,799 (1,764)	2,766 (1,134)	2,431 (2,031)	0 (0)	212 (210)	0 (0)	15,974 (4,230)
2014	0 (0)	279 (279)	787 (580)	114 (84)	13 (12)	2,524 (1,621)	2,654 (1,240)	0 (0)	354 (354)	0 (0)	0 (0)	8,791 (2,578)
2015	0 (0)	279 (279)	2,622 (1,396)	13 (12)	0 (0)	5,812 (2,875)	1,257 (875)	145 (73)	30 (30)	1,340 (912)	0 (0)	14,529 (4,163)
2016	291 (290)	1,485 (1,152)	3,746 (1,706)	139 (89)	0 (0)	3,067 (1,452)	778 (402)	57 (59)	0 (0)	223 (172)	749 (748)	11,363 (2,877)

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Population estimates (SE) for blue-winged teal from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total	
2003	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	8,303 (4,166)	1,273 (810)	1,783 (1,259)	15,242 (9,154)	0 (0)	6,846 (6,840)	33,948 (11,397)
2004	0 (0)	598 (597)	1,046 (733)	0 (0)	0 (0)	10,177 (6,499)	8,641 (3,820)	1,584 (1,066)	9,072 (6,850)	377 (374)	3,872 (2,226)	38,344 (11,862)
2005	0 (0)	0 (0)	524 (523)	25 (24)	0 (0)	4,089 (7,730)	2,746 (1,764)	57 (55)	1,418 (959)	529 (426)	1,868 (1,614)	19,065 (6,467)
2006	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3,614 (2,960)	1,979 (1,972)	212 (211)	NS*	0 (0)	0 (0)	8,988 (5,556)
2007	0 (0)	0 (0)	524 (523)	0 (0)	0 (0)	7,445 (5,976)	12,550 (8,208)	1,060 (797)	602 (552)	6,426 (4,185)	6,675 (6,446)	42,555 (19,342)
2008	0 (0)	0 (0)	687 (686)	0 (0)	0 (0)	6,457 (6,448)	1,840 (1,233)	0 (0)	3,849 (2,177)	0 (0)	0 (0)	15,116 (8,203)
2009	0 (0)	0 (0)	0 (0)	76 (73)	0 (0)	8,051 (6,008)	7,814 (3,629)	890 (440)	0 (0)	106 (105)	0 (0)	23,143 (8,881)
2010	0 (0)	0 (0)	1,047 (733)	0 (0)	0 (0)	2,875 (2,966)	4,196 (2,159)	1,553 (53)	35,506 (35,396)	529 (524)	0 (0)	39,824 (25,829)
2011	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3,098 (1,875)	2,970 (1,427)	226 (222)	0 (0)	0 (0)	0 (0)	8,761 (3,364)
2012	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3,440 (1,827)	3,02					

Population estimates (SE) for common mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	3,108 (2,061)	10,418 (5,643)	1,922 (993)	2,485 (1,846)	0 (0)	11,280 (2,391)	17,831 (6,011)	544 (257)	0 (0)	212 (120)	0 (0)	45,653 (8,396)
2004	1,470 (849)	2,510 (1,485)	1,818 (1,394)	1,479 (1,109)	0 (0)	25,218 (14,003)	14,671 (4,199)	754 (600)	0 (0)	0 (0)	0 (0)	49,163 (14,923)
2005	6,281 (3,523)	3,294 (1,866)	0 (0)	2,424 (1,579)	0 (0)	10,652 (3,884)	12,916 (3,296)	603 (509)	0 (0)	0 (0)	1,055 (1,052)	40,420 (7,027)
2006	4,445 (4,749)	4,373 (6,746)	0 (0)	473 (477)	0 (0)	7,076 (3,126)	15,167 (6,196)	370 (387)	NS*	0 (0)	0 (0)	43,214 (12,408)
2007	4,585 (2,557)	6,481 (2,606)	1,573 (1,570)	9,124 (4,933)	0 (0)	7,738 (3,570)	17,429 (7,052)	663 (417)	0 (0)	0 (0)	0 (0)	49,230 (9,710)
2008	2,471 (1,506)	5,453 (2,665)	687 (868)	503 (502)	0 (0)	8,532 (3,274)	18,773 (4,949)	588 (354)	0 (0)	0 (0)	0 (0)	39,515 (7,084)
2009	5,070 (3,217)	0 (0)	3,773 (2,318)	0 (0)	0 (0)	13,387 (5,129)	40,028 (9,288)	0 (0)	0 (0)	0 (0)	0 (0)	60,915 (7,704)
2010	5,843 (2,717)	4,321 (2,323)	44 (43)	0 (0)	0 (0)	21,635 (14,805)	14,053 (4,608)	100 (99)	0 (0)	0 (0)	288 (288)	43,340 (12,490)
2011	5,774 (3,193)	4,126 (1,835)	771 (876)	1,029 (1,027)	0 (0)	15,718 (7,978)	25,100 (8,845)	200 (139)	0 (0)	0 (0)	0 (0)	52,232 (9,302)
2012	1,270 (878)	5,400 (2,294)	688 (620)	1,029 (1,027)	0 (0)	11,858 (5,736)	23,748 (8,244)	212 (211)	0 (0)	106 (105)	0 (0)	50,128 (9,196)
2013	5,924 (2,565)	3,293 (2,008)	1,049 (733)	1,844 (1,509)	384 (383)	8,184 (3,899)	28,004 (7,124)	432 (431)	0 (0)	0 (0)	0 (0)	55,550 (10,064)
2014	4,509 (2,952)	5,684 (2,274)	524 (523)	897 (897)	0 (0)	14,048 (4,643)	27,278 (8,510)	57 (55)	0 (0)	0 (0)	0 (0)	57,219 (8,645)
2015	1,707 (1,296)	6,935 (3,365)	248 (247)	1,479 (1,109)	0 (0)	29,200 (15,364)	45,168 (14,470)	98 (57)	0 (0)	4,188 (4,150)	0 (0)	99,936 (16,856)
2016	5,974 (2,585)	4,860 (1,822)	1,223 (870)	503 (502)	0 (0)	14,031 (4,591)	23,503 (7,519)	57 (55)	0 (0)	0 (0)	1,497 (1,496)	53,692 (9,359)

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Breeding pair estimates (SE) for common mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,553 (1,030)	2,983 (1,180)	868 (489)	1,243 (823)	0 (0)	4,484 (1,809)	8,915 (2,505)	112 (88)	0 (0)	0 (0)	0 (0)	19,561 (3,432)
2004	601 (425)	1,255 (743)	909 (697)	739 (555)	0 (0)	29,803 (10,534)	12,564 (3,954)	54 (33)	0 (0)	0 (0)	0 (0)	19,544 (6,891)
2005	2,287 (1,490)	1,647 (933)	0 (0)	1,212 (750)	0 (0)	5,326 (1,942)	5,389 (1,234)	50 (50)	0 (0)	0 (0)	527 (526)	17,369 (2,961)
2006	2,223 (2,219)	810 (451)	0 (0)	236 (236)	0 (0)	3,315 (1,550)	7,583 (2,599)	247 (129)	NS*	0 (0)	0 (0)	17,233 (5,117)
2007	1,585 (864)	3,240 (1,303)	787 (785)	724 (370)	0 (0)	3,989 (1,758)	6,768 (2,143)	156 (117)	0 (0)	0 (0)	0 (0)	17,620 (3,119)
2008	1,238 (753)	2,728 (1,393)	344 (649)	252 (251)	0 (0)	4,296 (1,637)	8,535 (2,338)	294 (177)	0 (0)	0 (0)	0 (0)	18,500 (3,309)
2009	2,535 (1,608)	2,680 (1,285)	0 (0)	503 (502)	0 (0)	5,196 (2,089)	5,515 (1,607)	240 (143)	0 (0)	0 (0)	0 (0)	16,619 (3,189)
2010	1,969 (870)	1,189 (995)	222 (221)	0 (0)	0 (0)	10,617 (7,403)	4,578 (1,504)	50 (50)	0 (0)	0 (0)	0 (0)	16,088 (5,514)
2011	2,887 (1,697)	2,854 (917)	385 (384)	514 (513)	0 (0)	6,743 (3,193)	11,960 (2,763)	100 (100)	0 (0)	0 (0)	0 (0)	23,169 (4,962)
2012	635 (440)	2,700 (1,012)	283 (282)	1,945 (513)	0 (0)	5,988 (2,887)	8,617 (1,798)	106 (105)	0 (0)	53 (52)	0 (0)	20,620 (3,528)
2013	2,235 (1,069)	1,647 (1,069)	56 (56)	34 (34)	192 (192)	4,192 (2,349)	2,617 (1,351)	216 (215)	0 (0)	0 (0)	0 (0)	22,886 (3,334)
2014	1,302 (820)	2,842 (1,137)	252 (252)	463 (348)	0 (0)	7,024 (2,321)	11,907 (3,033)	28 (28)	0 (0)	0 (0)	0 (0)	24,787 (4,164)
2015	884 (648)	1,960 (1,057)	124 (123)	739 (555)	0 (0)	14,615 (7,697)	6,617 (2,154)	29 (28)	0 (0)	0 (0)	0 (0)	25,589 (8,056)
2016	34,931 (15,998)	2,430 (911)	611 (435)	252 (251)	0 (0)	7,015 (2,296)	8,770 (3,107)	28 (28)	0 (0)	0 (0)	749 (748)	23,539 (4,198)

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Population estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	1,989 (1,512)	7,561 (2,967)	1,171 (831)	0 (0)	0 (0)	12,491 (4,285)	4,247 (1,528)	224 (175)	0 (0)	318 (317)	504 (503)	28,878 (5,518)
2004	1,201 (869)	4,182 (1,860)	4,281 (2,377)	0 (0)	0 (0)	29,803 (10,534)	1,272 (896)	1,254 (954)	0 (0)	0 (0)	0 (0)	44,143 (11,368)
2005	0 (0)	11,696 (4,933)	2,745 (1,416)	1,890 (1,886)	0 (0)	13,347 (4,936)	9,625 (4,305)	547 (394)	0 (0)	0 (0)	1,669 (1,666)	43,035 (8,921)
2006	0 (0)	6,938 (2,172)	524 (523)	473 (471)	359 (358)	17,684 (8,519)	7,646 (3,675)	314 (234)	NS*	0 (0)	0 (0)	34,355 (9,931)
2007	2,899 (1,882)	2,345 (4,370)	2,345 (4,370)	498 (472)	0 (0)	17,398 (6,680)	2,972 (2,175)	0 (0)	0 (0)	6,125 (5,808)	538 (537)	43,121 (9,356)
2008	5,652 (4,366)	7,774 (2,552)	3,111 (1,327)	0 (0)	0 (0)	14,198 (5,731)	3,031 (1,615)	0 (0)	0 (0)	0 (0)	0 (0)	31,197 (6,878)
2009	1,403 (1,402)	7,385 (2,757)	1,285 (1,284)	1,006 (1,004)	359 (358)	11,557 (5,326)	2,975 (1,197)	0 (0)	0 (0)	0 (0)	0 (0)	25,019 (5,671)
2010	5,341 (4,355)	6,647 (3,917)	1,258 (884)	503 (502)	0 (0)	2,524 (1,789)	2,621 (1,351)	0 (0)	0 (0)	2,804 (2,274)	59 (58)	20,187 (4,979)
2011	1,270 (1,268)	2,752 (1,830)	1,573 (888)	945 (544)	0 (0)	16,264 (5,529)	4,646 (2,368)	0 (0)	0 (0)	1,815 (1,812)	141 (138)	28,078 (6,195)
2012	5,013 (3,898)	3,509 (1,336)	3,460 (1,652)	0 (0)	0 (0)	13,950 (5,515)	5,273 (2,160)	167 (166)	0 (0)	106 (105)	0 (0)	34,092 (7,544)
2013	1,798 (1,322)	5,399 (2,441)	6,102 (2,952)	1,052 (734)	39 (39)	13,160 (4,897)	10,734 (4,100)	3,088 (2,193)	0 (0)	0 (0)	0 (0)	45,344 (8,551)
2014	0 (0)	4,245 (2,407)	2,424 (1,190)	0 (0)	0 (0)	10,567 (4,331)	12,590 (7,098)	0 (0)	0 (0)	2,904 (2,274)	4,253 (4,250)	51,567 (9,919)
2015	4,509 (2,492)	5,873 (2,064)	2,465 (1,502)	1,448 (741)	0 (0)	10,567 (4,331)	17,242 (6,411)	0 (0)	0 (0)	112 (111)	1,497 (1,496)	37,225 (6,603)
2016	3,254 (1,977)	2,700 (1,352)	1,319 (787)	1,448 (741)	0 (0)	14,879 (4,632)	8,963 (3,195)	0 (0)	0 (0)	0 (0)	0 (0)	37,225 (6,603)

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Breeding pair estimates (SE) for hooded mergansers from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	965 (756)	3,781 (1,484)	589 (416)	44 (0)	0 (0)	4,117 (1,805)	2,122 (794)	112 (88)	0 (0)	159 (158)	252 (252)	12,763 (2,551)
2004	601 (425)	2,091 (930)	2,142 (1,153)	0 (0)	0 (0)	14,901 (5,267)	283 (282)	50 (50)	0 (0)	28 (28)	0 (0)	20,158 (5,514)
2005	0 (0)	5,848 (2,486)	1,372 (708)	945 (943)	0 (0)	6,874 (2,488)	4,388 (2,026)	273 (197)	0 (0)	0 (0)	0 (0)	20,051 (4,130)
2006	0 (0)	3,469 (1,086)	262 (252)	236 (236)	179 (179)	4,710 (1,954)	2,053 (917)	157 (117)	NS*	0 (0)	0 (0)	11,563 (2,463)
2007	1,450 (941)	5,366 (1,766)	1,171 (743)	249 (238)	0 (0)	8,899 (3,345)	1,486 (1,087)	0 (0)	0 (0)	159 (157)	269 (268)	18,673 (4,069)
2008	2,828 (2,183)	3,887 (1,276)	1,596 (864)	0 (0)	0 (0)	5,330 (2,573)	1,516 (807)	0 (0)	0 (0)	0 (0)	0 (0)	14,361 (3,322)
2009	702 (701)	3,693 (1,378)	642 (642)	503 (502)	179 (179)	5,778 (2,653)	495 (381)	0 (0)	0 (0)	0 (0)	0 (0)	10,904 (2,717)
2010	2,671 (2,178)	3,105 (1,476)	628 (432)	252 (251)	0 (0)	1,462 (895)	354 (255)	0 (0)	0 (0)	363 (362)	29 (29)	8,081 (2,245)
2011	635 (634)	1,376 (915)	787 (444)	473 (272)	0 (0)	8,132 (2,795)	2,323 (1,391)	0 (0)	0 (0)	0 (0)	0 (0)	13,323 (3,024)
2012	2,598 (1,948)	1,755 (968)	1,110 (649)	0 (0)	0 (0)	6,975 (2,757)	4,237 (1,098)	84 (83)	0 (0)	53 (52)	0 (0)	15,998 (3,524)
2013	899 (861)	2,700 (1,221)	3,051 (1,296)	526 (367)	20 (18)	6,580 (2,298)	3,386 (1,508)	618 (617)	0 (0)	0 (0)	0 (0)	18,432 (3,506)
2014	0 (0)	2,122 (1,204)	1,212 (895)	0 (0)	0 (0)	6,241 (2,566)	3,784 (2,571)	0 (0)	0 (0)	0 (0)	3,294 (3,293)	16,851 (4,987)
2015	2,235 (1,246)	2,938 (1,032)	1,233 (751)	724 (370)	0 (0)	5,984 (2,186)	8,965 (2,698)	0 (0)	0 (0)	1,452 (1,137)	2,127 (2,125)	23,237 (4,100)
2016	0 (0)	1,350 (676)	659 (394)	724 (370)	0 (0)	7,439 (2,306)	2,416 (770)	0 (0)	0 (0)	56 (55)	749 (748)	16,273 (2,964)

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 * Delaware did not conduct the survey in 2005. However, survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed. Valid estimates are available for the entire survey area.

Population estimates (SE) for total ducks from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	27,971 (8,254)	89,370 (25,752)	39,141 (8,187)	39,182 (7,427)	9,443 (6,882)	289,550 (35,978)	271,308 (39,628)	74,003 (11,805)	29,303 (18,654)	152,272 (39,301)	94,185 (18,466)	1,157,431 (17,366)
1994	27,971 (8,395)	65,141 (14,238)	43,253 (7,745)	48,629 (10,475)	3,039 (1,881)	308,416 (32,723)	376,844 (61,014)	80,723 (9,575)	7,667 (3,544)	171,825 (38,194)	146,064 (36,700)	1,297,308 (33,971)
1995	66,990 (33,903)	89,722 (26,378)	75,282 (13,254)	41,630 (8,913)	3,757 (1,354)	372,600 (49,406)	372,427 (55,698)	97,538 (12,697)	1,968 (897)	105,589 (23,704)	140,112 (33,909)	1,408,462 (95,237)
1996	26,554 (6,968)	90,141 (26,968)	69,601 (12,808)	45,518 (10,363)	5,662 (1,707)	343,983 (57,964)	340,000 (62,178)	122,483 (17,967)	3,423 (1,945)	118,025 (26,137)	173,120 (36,771)	1,430,907 (89,897)
1997	32,929 (8,654)	54,121 (12,091)	100,209 (16,228)	46,299 (8,841)	8,510 (2,950)	320,308 (36,422)	410,875 (51,513)	92,993 (12,914)	4,108 (1,673)	88,936 (17,075)	176,981 (45,334)	1,423,481 (66,489)
1998	27,143 (7,553)	56,844 (12,089)	82,362 (11,864)	40,249 (8,910)	5,904 (2,070)	339,783 (36,384)	407,306 (68,096)	104,532 (14,109)	37,424 (19,531)	102,968 (22,998)	188,013 (45,506)	1,443,980 (105,488)
1999	99,988 (69,704)	70,987 (16,537)	102,968 (24,658)	44,353 (13,773)	3,265 (1,354)							

Population estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	0	7,584 (4,980)	16,265 (6,053)	16,478 (3,796)	2,240 (1,124)	169,044 (81,179)	162,777 (34,178)	37,792 (7,841)	4,054 (2,159)	33,247 (21,278)	115,835 (52,990)	647,509 (111,770)
1994	2,806 (1,773)	3,092 (1,786)	13,217 (4,413)	23,140 (5,970)	359 (358)	92,283 (33,948)	151,426 (27,201)	61,230 (9,204)	1,294 (1,192)	75,720 (29,373)	129,409 (47,212)	648,684 (72,971)
1995	1,403 (1,402)	13,900 (5,677)	16,128 (5,232)	23,192 (5,821)	2,512 (887)	80,270 (29,747)	180,710 (36,313)	68,841 (11,304)	4,651 (3,387)	76,849 (28,208)	207,885 (77,362)	780,027 (98,816)
1996	318 (171)	38,016 (19,158)	25,694 (6,332)	23,255 (5,512)	1,615 (631)	199,544 (56,169)	189,860 (33,276)	69,549 (11,523)	1,845 (1,764)	66,830 (19,162)	208,146 (74,294)	932,656 (107,423)
1997	18,159 (15,155)	16,603 (8,942)	16,794 (6,950)	31,125 (8,337)	3,409 (1,241)	119,519 (28,840)	194,607 (29,135)	85,338 (23,314)	4,787 (4,554)	69,876 (23,447)	332,806 (104,935)	1,013,324 (132,539)
1998	3,023 (1,531)	24,219 (7,790)	19,769 (4,252)	30,800 (8,179)	2,877 (1,469)	133,391 (28,066)	210,798 (33,580)	85,970 (21,370)	7,175 (4,477)	93,379 (24,018)	253,648 (96,292)	970,092 (115,663)
1999	3,663 (2,288)	23,137 (11,505)	18,262 (4,187)	23,662 (6,390)	3,422 (1,213)	158,823 (49,507)	261,965 (40,862)	82,283 (18,835)	5,473 (3,119)	58,853 (15,120)	198,208 (63,727)	999,517 (120,811)
2000	7,015 (4,565)	21,326 (7,142)	21,359 (5,686)	36,265 (9,594)	1,435 (823)	157,532 (27,057)	225,472 (35,874)	106,279 (20,580)	9,076 (5,110)	63,254 (17,687)	229,635 (60,049)	1,022,299 (101,930)
2001	13,005 (7,273)	12,626 (4,252)	31,175 (6,587)	44,383 (12,800)	2,166 (987)	163,235 (30,365)	246,859 (34,135)	83,418 (13,784)	8,203 (3,348)	65,305 (15,969)	227,310 (51,638)	1,016,629 (89,337)
2002	3,113 (3,107)	8,730 (3,710)	36,062 (11,044)	21,090 (4,689)	2,523 (1,352)	148,237 (23,840)	234,754 (33,690)	96,828 (20,992)	5,380 (2,779)	79,842 (20,147)	199,212 (48,315)	965,657 (86,932)
2003	12,482 (6,119)	15,543 (6,582)	42,413 (10,540)	28,640 (6,611)	3,595 (1,450)	231,718 (42,398)	252,226 (33,756)	93,222 (17,026)	8,099 (3,786)	103,017 (41,645)	133,737 (31,585)	1,040,574 (89,820)
2004	10,402 (4,093)	13,647 (3,818)	43,923 (12,929)	22,561 (5,877)	3,082 (837)	164,399 (24,502)	299,269 (40,747)	92,562 (17,733)	4,308 (2,815)	74,821 (21,144)	98,273 (26,997)	975,554 (89,813)
2005	7,318 (3,142)	36,940 (17,448)	33,553 (6,847)	32,405 (9,919)	3,947 (1,455)	182,012 (29,032)	282,237 (41,868)	91,245 (18,878)	20,307 (9,132)	63,379 (19,590)	156,443 (41,905)	1,064,696 (90,415)
2006	12,713 (7,267)	57,202 (29,604)	34,671 (7,435)	22,851 (5,536)	2,345 (698)	230,637 (65,298)	229,321 (36,272)	94,387 (13,185)	NS*	70,456 (15,144)	155,379 (42,462)	1,057,251 (103,397)
2007	16,282 (6,332)	35,497 (19,924)	42,913 (19,190)	28,215 (11,066)	2,870 (1,269)	249,702 (48,437)	235,292 (34,627)	80,325 (10,686)	28,157 (22,889)	82,128 (27,298)	150,264 (42,358)	1,046,067 (90,513)
2008	18,953 (7,121)	26,154 (8,454)	29,200 (9,309)	22,973 (6,380)	3,242 (1,177)	213,758 (34,825)	227,351 (30,084)	75,814 (10,966)	16,628 (6,397)	48,456 (18,032)	159,309 (51,311)	951,501 (79,003)
2009	17,399 (8,840)	13,559 (4,020)	28,365 (10,986)	24,838 (8,301)	2,909 (1,126)	199,967 (36,477)	278,887 (43,006)	87,536 (11,740)	14,520 (8,559)	42,227 (11,783)	117,360 (30,592)	943,274 (72,554)
2010	17,766 (6,038)	20,021 (8,602)	27,364 (6,087)	30,253 (9,038)	5,389 (1,458)	228,669 (40,874)	211,548 (32,834)	71,175 (10,275)	6,382 (2,710)	46,489 (12,095)	153,894 (65,384)	896,254 (87,205)
2011	18,158 (10,021)	23,272 (8,926)	30,709 (6,938)	23,444 (6,848)	9,508 (5,988)	207,609 (37,205)	230,540 (30,844)	65,876 (11,344)	5,874 (2,267)	80,171 (26,898)	192,658 (63,974)	941,359 (82,828)
2012	15,720 (7,552)	11,388 (4,397)	37,991 (14,715)	19,738 (5,913)	4,664 (2,260)	195,832 (37,826)	204,697 (29,366)	76,280 (15,361)	9,746 (3,759)	42,407 (12,432)	102,586 (21,587)	823,257 (69,346)
2013	32,662 (13,143)	22,239 (7,279)	33,881 (10,157)	30,261 (7,799)	6,998 (3,568)	187,146 (25,762)	259,357 (47,915)	75,679 (23,932)	13,219 (4,957)	47,075 (10,035)	120,453 (27,162)	883,578 (75,510)
2014	23,363 (8,651)	31,259 (7,765)	33,766 (7,817)	25,219 (8,420)	3,141 (1,045)	274,944 (75,976)	227,298 (36,994)	72,904 (25,364)	14,482 (6,748)	73,239 (19,924)	145,189 (35,949)	1,011,944 (112,523)
2015	26,261 (12,470)	20,771 (5,560)	41,031 (10,230)	18,038 (6,004)	2,153 (5,666)	211,454 (35,236)	227,884 (38,211)	60,586 (26,413)	6,441 (1,949)	63,755 (19,699)	167,011 (37,143)	891,123 (79,660)
2016	33,661 (15,931)	11,601 (4,053)	35,237 (8,275)	21,573 (5,276)	5,036 (1,332)	197,179 (30,897)	234,960 (35,317)	67,485 (26,223)	5,315 (1,842)	65,156 (14,585)	142,869 (33,785)	883,154 (76,930)

Estimates based on the 1993-2002 method of calculating total indicated birds (TIB = 2*(pairs + singles + groups)).
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 * Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Population estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2002-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2002	7,957 (3,687)	11,665 (4,420)	42,680 (12,650)	23,103 (5,157)	4,373 (1,566)	171,132 (26,698)	259,614 (35,219)	101,145 (21,156)	5,500 (2,793)	98,943 (22,478)	270,315 (73,168)	1,097,135 (95,031)
2003	14,641 (6,888)	17,399 (6,856)	47,238 (11,531)	31,895 (7,159)	3,601 (1,450)	241,865 (42,893)	275,207 (35,775)	99,575 (17,547)	9,418 (4,320)	110,450 (42,468)	151,819 (37,276)	1,126,731 (94,540)
2004	10,685 (4,120)	15,919 (4,283)	46,591 (13,286)	25,341 (6,681)	3,857 (877)	190,172 (29,051)	338,230 (44,135)	97,661 (17,987)	4,825 (2,870)	78,630 (21,827)	105,013 (28,127)	1,073,096 (93,828)
2005	8,654 (3,709)	38,768 (17,437)	38,048 (7,502)	34,903 (10,408)	4,306 (1,500)	209,223 (33,251)	311,171 (44,218)	98,506 (19,319)	21,091 (9,476)	86,500 (19,680)	167,299 (43,192)	1,163,075 (102,219)
2006	13,666 (6,570)	59,490 (29,611)	42,266 (8,856)	24,863 (5,951)	2,525 (716)	250,063 (66,078)	245,689 (37,191)	104,360 (14,638)	NS*	73,862 (15,454)	163,655 (43,357)	1,143,951 (106,242)
2007	16,565 (6,350)	37,712 (19,953)	48,283 (19,416)	29,234 (11,187)	3,050 (1,407)	274,856 (50,706)	255,924 (36,603)	86,429 (11,322)	29,311 (23,192)	85,164 (27,929)	160,966 (45,725)	1,127,987 (94,560)
2008	19,236 (7,137)	27,678 (8,737)	31,558 (9,570)	24,230 (6,473)	3,242 (1,177)	238,290 (36,749)	246,499 (32,411)	81,052 (11,224)	17,918 (7,115)	51,438 (18,084)	167,492 (52,549)	1,024,914 (82,157)
2009	19,019 (9,047)	15,366 (4,356)	30,472 (11,176)	26,347 (8,448)	3,627 (1,247)	216,761 (37,599)	289,879 (43,467)	92,913 (12,209)	14,977 (6,631)	45,247 (12,092)	130,119 (32,920)	1,006,133 (75,112)
2010	16,332 (6,101)	21,506 (8,748)	29,422 (8,444)	31,272 (9,084)	6,471 (1,753)	257,391 (44,960)	231,780 (34,172)	76,190 (10,564)	6,807 (2,856)	48,880 (12,147)	165,271 (68,867)	977,085 (92,408)
2011	20,410 (11,342)	23,812 (8,368)	35,708 (6,956)	23,959 (6,539)	6,998 (5,999)	232,360 (37,645)	245,061 (31,985)	70,735 (11,597)	6,473 (2,214)	66,035 (27,039)	199,677 (64,398)	1,015,076 (98,473)
2012	16,591 (7,632)	12,333 (4,515)	42,637 (15,248)	21,555 (6,211)	5,023 (2,311)	206,003 (38,345)	219,611 (30,880)	80,836 (16,730)	10,658 (3,933)	44,327 (13,141)	109,855 (22,964)	879,793 (71,528)
2013	32,979 (13,152)	23,049 (7,381)	38,271 (10,519)	32,114 (7,959)	7,332 (3,587)	209,915 (28,238)	278,862 (50,529)	77,794 (24,477)	15,247 (5,879)	51,059 (10,527)	125,199 (27,771)	951,936 (79,106)
2014	25,480 (8,598)	34,200 (8,398)	37,835 (8,347)	26,003 (6,718)	4,088 (1,334)	298,482 (76,595)	241,735 (37,868)	77,764 (25,481)	17,208 (8,716)	75,368 (19,118)	156,460 (38,041)	1,084,913 (126,367)
2015	28,966 (13,234)	22,305 (5,930)	49,359 (11,434)	20,076 (6,204)	2,870 (1,030)	230,510 (36,414)	249,218 (39,551)	62,909 (26,401)	7,993 (2,167)	68,113 (20,242)	170,300 (37,274)	963,890 (81,744)
2016	34,931 (15,998)	12,952 (4,492)	39,743 (8,629)	23,624 (5,439)	5,395 (1,309)	217,298 (33,544)	250,707 (36,751)	69,995 (26,861)	5,884 (2,083)	69,859 (15,326)	147,869 (34,298)	949,989 (80,129)

Estimates based on the post-2002 method of calculating total indicated birds (TIB = 2*(pairs + singles + groups)).
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 * Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pair estimates (SE) for Canada geese from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993												
1994	1,403 (887)	898 (535)	4,664 (1,441)	10,511 (2,613)	718 (411)	28,135 (6,394)	57,554 (9,577)	12,628 (2,522)	683 (618)	14,141 (4,172)	32,704 (13,936)	201,281 (19,827)
1995	702 (701)	4,264 (1,527)	6,798 (1,780)	9,808 (2,291)	1,256 (443)	26,540 (5,092)	72,511 (13,385)	24,197 (3,156)	1,558 (1,054)	13,091 (4,853)	41,282 (13,132)	245,233 (23,023)
1996	1,019 (769)	6,368 (2,978)	12,323 (2,745)	7,816 (2,074)	1,076 (351)	48,034 (10,215)	71,120 (11,038)	22,871 (2,899)	902 (861)	21,799 (6,453)	44,641 (15,874)	277,608 (25,468)
1997	2,415 (1,470)	3,408 (1,729)	8,793 (1,921)	14,674 (3,740)	1,435 (634)	30,655 (6,104)	87,849 (12,137)	23,091 (3,442)	920 (825)	20,944 (4,619)	98,955 (36,382)	326,982 (40,080)
1998	2,167 (997)	6,790 (2,388)	10,659 (2,013)	12,850 (3,807)	1,801 (1,069)	36,893 (5,588)	98,975 (12,849)	24,900 (3,522)	1,984 (951)	35,374 (9,076)	69,500 (21,654)	324,648 (28,188)
1999	2,895 (1,578)	4,985 (1,500)	9,781 (1,940)	9,567 (2,399)	1,980 (716)	48,375 (8,084)	104,343 (14,888)	30,862 (3,337)	1,938 (1,236)	19,511 (4,690)	95,418 (31,319)	379,479 (38,088)
2000	3,508 (2,282)	7,591 (2,255)	10,723 (2,484)	12,136 (2,709)	718 (411)	53,306 (9,006)	85,379 (10,661)	36,243 (5,519)	4,242 (2,488)	18,839 (4,932)	55,313 (12,104)	339,936 (26,316)
2001	5,162 (2,712)	5,166 (1,605)	12,802 (2,523)	14,387 (4,834)	1,262 (515)	76,063 (11,992)	96,468 (10,490)	33,783 (4,204)	3,548 (1,593)	25,763 (6,948)	65,855 (14,586)	392,055 (27,777)
2002	2,422 (992)	5,630 (2,136)	14,491 (3,601)	10,042 (2,300)	1,346 (548)	77,864 (12,769)	85,192 (10,142)	31,908 (3,915)	2,468 (1,233)	36,638 (8,108)	123,455 (35,076)	405,898 (32,094)
2003	7,320 (3,444)	5,728 (1,735)	16,928 (3,490)	11,079 (2,800)	1,801 (725)	65,100 (9,156)	101,564 (11,705)	37,872 (5,185)	4,574 (2,157)	22,157 (7,785)	60,931 (15,628)	389,793 (28,280)
2004	3,724 (1,496)	5,938 (1,837)	15,466 (3,413)	11,897 (3,179)	1,929 (439)	91,132 (13,880)	123,126 (15,256)	34,182 (4,134)	1,633 (1,041)	17,038 (4,955)	32,625 (8,772)	394,626 (28,065)
2005	4,327 (1,855)	6,886 (1,924)	17,063 (3,371)	10,514 (

Population estimates (SE) for mute swans from the Atlantic Flyway Breeding Waterfowl Plot Survey, 1993-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
1993	0 ()	0 ()	2,680 (1,334)	1,019 (604)	6,391 (5,847)	6,369 (2,852)	267 (266)	191 (135)	0 ()	2,827 (1,444)	0 ()	21,766 (8,476)
1994	0 ()	0 ()	1,145 (533)	514 (513)	6,731 (4,719)	6,423 (2,594)	0 ()	2,530 (2,016)	0 ()	2,278 (1,518)	0 ()	24,780 (8,403)
1995	0 ()	0 ()	744 (431)	0 ()	551 (389)	10,338 (8,106)	0 ()	593 (276)	0 ()	1,505 (1,013)	558 (558)	12,761 (6,391)
1996	0 ()	0 ()	1,392 (747)	0 ()	538 (388)	5,632 (3,219)	0 ()	800 (391)	0 ()	779 (508)	78 (77)	9,665 (3,136)
1997	0 ()	0 ()	1,900 (906)	0 ()	1,262 (578)	15,022 (12,863)	551 (389)	1,976 (1,501)	0 ()	2,075 (1,333)	78 (77)	18,843 (6,721)
1998	0 ()	13 (13)	1,115 (557)	528 (503)	577 (389)	8,527 (5,731)	551 (389)	1,472 (525)	132 (98)	2,646 (1,790)	78 (77)	15,117 (3,631)
1999	0 ()	67 (64)	2,520 (1,867)	503 (502)	1,256 (578)	16,199 (14,745)	0 ()	1,121 (418)	0 ()	2,178 (1,603)	29 (29)	16,356 (6,171)
2000	0 ()	0 ()	2,038 (1,021)	1,535 (923)	910 (502)	11,641 (10,083)	1,335 (944)	928 (394)	0 ()	2,541 (1,789)	29 (29)	16,883 (5,006)
2001	0 ()	0 ()	2,027 (1,222)	1,006 (702)	910 (502)	5,014 (3,438)	354 (255)	890 (424)	90 (89)	1,300 (829)	59 (58)	11,832 (2,974)
2002	0 ()	0 ()	1,687 (813)	2,528 (1,827)	336 (229)	5,206 (1,981)	426 (425)	668 (440)	0 ()	1,675 (1,016)	264 (259)	13,850 (3,265)
2003	0 ()	0 ()	1,032 (762)	579 (503)	1,102 (574)	7,889 (2,458)	709 (510)	337 (191)	203 (144)	2,167 (1,099)	122 (120)	14,368 (2,999)
2004	0 ()	0 ()	1,528 (782)	604 (504)	397 (384)	6,538 (2,846)	2,528 (1,540)	4,110 (3,389)	83 (82)	1,703 (1,025)	169 (121)	22,706 (8,653)
2005	0 ()	0 ()	2,478 (1,099)	1,032 (703)	731 (488)	0 ()	2,245 (1,514)	1,454 (595)	181 (177)	1,217 (786)	0 ()	12,614 (3,051)
2006	0 ()	0 ()	2,891 (2,105)	1,032 (703)	1,461 (823)	11,987 (6,559)	2,102 (1,483)	1,340 (526)	NS ^a	1,914 (1,056)	59 (58)	24,902 (6,825)
2007	0 ()	0 ()	2,813 (1,178)	528 (503)	359 (358)	3,631 (1,535)	6,064 (2,654)	1,394 (456)	120 (118)	212 (144)	0 ()	17,064 (3,591)
2008	0 ()	0 ()	1,343 (735)	503 (502)	757 (412)	3,654 (2,360)	3,921 (2,142)	4,093 (2,998)	120 (118)	1,111 (1,100)	88 (86)	21,251 (7,893)
2009	0 ()	0 ()	963 (888)	1,032 (703)	897 (501)	11,873 (5,310)	1,276 (730)	2,443 (1,339)	0 ()	846 (838)	0 ()	21,859 (5,816)
2010	0 ()	0 ()	1,418 (961)	1,006 (702)	1,096 (731)	7,532 (2,983)	2,268 (1,212)	1,540 (597)	0 ()	2,034 (1,087)	0 ()	18,243 (3,517)
2011	0 ()	0 ()	5,494 (4,659)	1,054 (718)	359 (358)	7,954 (2,991)	1,417 (715)	1,719 (757)	391 (385)	726 (725)	0 ()	24,972 (8,588)
2012	0 ()	0 ()	2,618 (1,072)	2,829 (1,520)	1,807 (1,132)	20,280 (10,846)	709 (510)	1,204 (577)	0 ()	726 (725)	0 ()	30,606 (9,728)
2013	0 ()	0 ()	1,309 (748)	1,077 (734)	7,715 (7,266)	4,398 (1,855)	1,246 (740)	674 (619)	0 ()	726 (725)	4,356 (4,353)	24,468 (11,050)
2014	0 ()	0 ()	2,027 (930)	2,083 (1,234)	718 (488)	10,301 (4,015)	716 (516)	1,177 (797)	0 ()	0 ()	0 ()	17,375 (3,672)
2015	0 ()	0 ()	4,262 (1,723)	528 (503)	731 (488)	7,158 (2,978)	709 (510)	618 (617)	0 ()	0 ()	0 ()	13,758 (3,057)
2016	0 ()	0 ()	1,982 (777)	528 (503)	718 (488)	8,824 (3,962)	709 (510)	1,290 (804)	0 ()	0 ()	59 (58)	13,684 (3,056)

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Breeding pair estimates (SE) for mute swans from the Atlantic Flyway Breeding Waterfowl Plot Survey, 2003-2016.

Year	VT	NH	MA	CT	RI	NY	PA	NJ	DE	MD	VA	Survey area total
2003	0 ()	0 ()	516 (381)	290 (252)	551 (287)	3,945 (1,229)	354 (255)	168 (95)	102 (72)	1,084 (550)	61 (60)	7,184 (1,499)
2004	0 ()	0 ()	764 (391)	302 (252)	199 (192)	3,269 (1,423)	1,264 (770)	1,151 (853)	42 (41)	852 (513)	84 (61)	9,267 (2,538)
2005	0 ()	0 ()	1,239 (550)	516 (351)	365 (244)	0 ()	1,123 (757)	671 (282)	90 (89)	212 (96)	0 ()	6,031 (1,508)
2006	0 ()	0 ()	268 (248)	516 (351)	731 (411)	5,994 (3,279)	1,051 (741)	594 (220)	NS ^a	957 (528)	29 (29)	10,184 (2,938)
2007	0 ()	0 ()	1,406 (589)	264 (251)	179 (179)	1,816 (767)	2,713 (1,235)	654 (225)	60 (59)	106 (72)	0 ()	8,023 (1,649)
2008	0 ()	0 ()	671 (367)	252 (251)	558 (287)	1,973 (1,200)	1,535 (983)	2,047 (1,499)	60 (59)	0 ()	0 ()	10,001 (3,898)
2009	0 ()	0 ()	482 (444)	516 (351)	538 (287)	5,937 (2,655)	426 (298)	798 (310)	0 ()	423 (419)	0 ()	9,562 (2,487)
2010	0 ()	0 ()	709 (480)	503 (351)	910 (566)	3,766 (1,491)	1,134 (606)	770 (299)	0 ()	885 (529)	0 ()	9,514 (1,846)
2011	0 ()	0 ()	516 (281)	527 (359)	179 (179)	3,977 (1,495)	709 (358)	859 (379)	0 ()	363 (362)	0 ()	8,524 (1,752)
2012	0 ()	0 ()	1,309 (536)	771 (434)	904 (566)	3,485 (1,489)	354 (255)	418 (241)	0 ()	363 (362)	0 ()	8,481 (1,834)
2013	0 ()	0 ()	655 (374)	539 (367)	3,088 (2,867)	2,199 (927)	623 (370)	337 (310)	0 ()	363 (362)	0 ()	9,245 (4,164)
2014	0 ()	0 ()	1,013 (465)	1,041 (617)	359 (244)	5,150 (2,007)	358 (258)	588 (398)	0 ()	0 ()	0 ()	8,688 (1,836)
2015	0 ()	0 ()	1,945 (848)	264 (251)	365 (244)	3,579 (1,489)	354 (255)	309 (308)	0 ()	0 ()	0 ()	6,564 (1,513)
2016	11,735 (2,792)	0 ()	681 (296)	264 (251)	359 (244)	4,412 (1,981)	354 (255)	645 (402)	0 ()	0 ()	29 (29)	6,317 (1,473)

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^a Delaware did not conduct the survey in 2006. However, because survey-area estimates are summed from stratum estimates (rather than strata within state estimates), and most plots in the strata that occur in DE (4, 10, and 99) were surveyed, valid estimates are available for the entire survey area.

Productivity data for greater snow geese, Atlantic brant, and tundra swans wintering in the Atlantic Flyway

Year	Greater snow geese			Atlantic brant			Tundra swans		
	Birds surveyed	Percent immature	Avg. young per family	Birds surveyed	Percent immature	Avg. young per family	Birds surveyed	Percent immature	Avg. young per family
1976	34,892	9.8	2.4	7,159	8.9	2.4	7,913	7.1	1.2
1977	7,531	23.8	2.3	12,067	29.5	2.3	3,684	19.7	2.2
1978	16,159	14.7	1.9	11,315	5.9	2.1	627	29.3	1.3
1979	7,031	26.4	2.4	14,593	41.0	2.8	1,433	8.8	1.6
1980	12,572	36.5	2.7	24,849	33.7	2.6	2,060	10.5	1.8
1981	17,229	17.1	2.0	15,857	21.3	2.4	1,479	30.2	2.3
1982	11,873	18.0	2.6	20,727	23.5	2.4	5,576	11.5	2.0
1983	19,206	48.9	3.3	18,826	32.3	2.7	7,537	19.8	2.0
1984	11,133	27.4	2.7	15,210	21.3	2.4	8,913	19.8	2.2
1985	14,972	31.0	2.6	18,114	15.8	2.4	11,394	23.6	2.0
1986	13,109	2.3	2.1	20,669	3.7	2.5	11,903	8.7	1.3
1987	17,467	37.9	2.9	16,635	26.5	2.6	8,210	9.8	1.6
1988	14,290	31.2	2.6	17,133	26.4	2.4	10,260	14.8	1.9
1989	17,735	30.1	2.0	17,550	21.0	2.5	13,836	15.2	1.7
1990	24,880	18.7	2.3	18,523	10.9	2.2	11,604	10.3	1.9
1991	27,805	26.2	2.3	9,417	24.5	2.0	3,719	12.3	1.6
1992	11,762	4.5	0.9	20,194	2.2	1.7	11,800	4.1	1.6
1993	23,082	44.6	2.6	23,194	21.2	2.0	13,320	15.0	1.0
1994	19,752	13.4	1.4	21,410	10.2	2.0	5,214	19.2	1.3
1995	15,261	16.7	1.9	17,885	21.6	2.2	9,720	8.1	1.1
1996	23,728	30.5	2.0	24,997	15.3	2.2	15,290	10.0	1.2
1997	30,904	28.7	2.5	27,349	17.5	2.2	11,552	7.5	0.8
1998	43,321	26.5	2.3	23,098	24.1	2.6	13,042	15.7	1.2
1999	21,619	2.8	1.0	37,558	1.5	1.7	13,660	10.4	1.6
2000	25,022	34.6	1.6	23,564	25.1	2.1	7,229	10.2	0.9
2001	12,646	21.2	1.3	22,404	24.7	2.1	13,386	9.8	1.2
2002	20,444	2.8	0.5	60,463	6.9	1.8	25,212	8.0	0.9
2003	9,201	15.8	1.6	25,903	17.2	2.1	35,019	5.2	1.3
2004	33,748	12.1	1.7	27,622	13.1	2.0	12,981	16.1	2.4
2005	11,969	15.5	1.2	26,699	15.0	2.1	6,961	9.6	1.1
2006*	8,823	27.1	1.9	20,659	24.2	2.8	6,559	22.6	1.7
2007*	No survey			20,818	31.1	2.2	11,374	12.3	1.7
2008*	No survey			41,957	21.1	2.5	16,716	16.6	1.9
2009*	No survey			40,961	9.4	2.2	16,083	11.5	1.7
2010*	No survey			38,847	13.2	2.5	19,087	13.5	1.7
2011*	No survey			29,601	25.2	2.2	23,241	19.5	2.0
2012*	No survey			11,098	7.4	2.1	24,751	10.3	1.8
2013*	No survey			29,224	3.7	2.2	24,953	10.2	1.8
2014	No survey			26,523	10	1.9	27,275	10.8	1.7
2015	No survey			29,232	9.2	2.4	19,855	11.3	1.7
Averages:									
76-80	15,637	22.2	2.3	13,997	23.8	2.5	3,143	15.1	1.6
81-85	14,883	28.5	2.6	17,747	22.8	2.4	6,980	21.0	2.1
86-90	17,496	24.0	2.4	18,102	17.7	2.4	11,163	11.8	1.7
91-95	19,532	21.1	1.8	18,420	15.9	2.0	8,755	11.7	1.3
96-2000	28,919	24.6	1.9	27,313	16.7	2.2	12,155	10.8	1.1
2001-05	19,010	13	1.3	34,098	15.5	2.0	21,650	9.8	1.5
2006-10	No survey			32,648	19.8	2.4	13,964	15.3	1.7
2011-15	No survey			25,136	11	2	24,015	12	2

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Compiled: T Liddick, USFWS/DMBM-WPS

* No Atlantic brant data from East Bay on Long Island were included because numbers of young in family groups were not recorded.

BREEDING POPULATION ESTIMATES (000s) FOR 10 SPECIES OF DUCKS IN THE TRADITIONAL SURVEY AREA

YEAR	MALLARD	GADWALL	WIGEON	GW TEAL	BW TEAL	SHOVELER	PINTAIL	REDHEAD	CANV'SB'K	SCAUP
1955	8,777	652	3,217	1,807	5,305	1,643	9,775	540	589	5,620
1956	10,453	773	3,145	1,525	4,998	1,781	10,373	757	699	5,994
1957	9,297	667	2,920	1,103	4,300	1,476	6,607	509	626	5,767
1958	11,234	502	2,552	1,347	5,457	1,384	6,038	457	747	5,350
1959	9,024	590	3,788	2,653	5,099	1,578	5,873	499	489	7,038
1960	7,372	784	2,988	1,427	4,293	1,825	5,722	498	606	4,869
1961	7,330	655	3,048	1,729	3,655	1,383	4,218	323	435	5,380
1962	5,536	905	1,959	723	3,011	1,269	3,624	508	360	5,286
1963	6,749	1,055	1,831	1,242	3,724	1,398	3,846	413	506	5,438
1964	6,064	873	2,590	1,561	4,021	1,718	3,291	528	644	5,132
1965	5,132	1,260	2,301	1,282	3,595	1,424	3,592	599	522	4,640
1966	6,732	1,680	2,318	1,617	3,733	2,147	4,812	713	663	4,439
1967	7,510	1,385	2,326	1,594	4,492	2,315	5,278	736	503	4,928
1968	7,089	1,949	2,299	1,431	3,463	1,685	3,489	499	564	4,413
1969	7,532	1,573	2,941	1,491	4,139	2,157	5,904	633	504	5,140
1970	9,986	1,608	3,470	2,183	4,862	2,230	6,392	622	580	5,663
1971	9,416	1,606	3,273	1,889	4,610	2,011	5,847	534	451	5,143
1972	9,266	1,623	3,200	1,948	4,279	2,467	6,979	551	426	7,997
1973	8,079	1,246	2,878	1,949	3,333	1,619	4,356	501	621	6,257
1974	6,880	1,592	2,672	1,865	4,976	2,011	6,598	626	513	5,781
1975	7,727	1,644	2,778	1,665	5,885	1,981	5,900	832	595	6,460
1976	7,934	1,245	2,505	1,548	4,745	1,748	5,476	666	614	5,819
1977	7,397	1,299	2,575	1,286	4,463	1,452	3,926	634	664	6,260
1978	7,425	1,558	3,282	2,174	4,499	1,975	5,108	725	373	5,984
1979	7,883	1,758	3,107	2,072	4,876	2,407	5,376	698	582	7,658
1980	7,707	1,393	3,596	2,050	4,895	1,908	4,508	728	735	6,382
1981	6,410	1,395	2,946	1,911	3,721	2,334	3,480	595	621	5,991
1982	6,409	1,634	2,459	1,536	3,658	2,148	3,709	617	513	5,532
1983	6,456	1,519	2,636	1,875	3,367	1,876	3,511	712	527	7,174
1984	5,415	1,515	3,002	1,408	3,979	1,618	2,965	671	530	7,024
1985	4,961	1,303	2,051	1,475	3,502	1,702	2,516	578	376	5,098
1986	6,124	1,547	1,737	1,675	4,479	2,128	2,740	560	438	5,235
1987	5,790	1,306	2,013	2,006	3,529	1,950	2,628	502	450	4,863
1988	6,369	1,350	2,211	2,061	4,011	1,681	2,006	442	435	4,671
1989	5,645	1,415	1,973	1,842	3,125	1,538	2,112	511	477	4,342
1990	5,452	1,672	1,860	1,790	2,776	1,759	2,257	481	539	4,293
1991	5,445	1,584	2,254	1,558	3,764	1,716	1,803	446	491	5,255
1992	5,976	2,033	2,208	1,773	4,333	1,954	2,098	596	482	4,639
1993	5,708	1,755	2,053	1,695	3,193	2,047	2,053	485	472	4,080
1994	6,980	2,318	2,382	2,108	4,616	2,912	2,972	654	526	4,529
1995	8,269	2,836	2,615	2,301	5,140	2,855	2,758	889	771	4,446
1996	7,941	2,984	2,272	2,500	6,407	3,449	2,736	834	849	4,217
1997	9,940	3,897	3,118	2,507	6,124	4,120	3,558	918	689	4,112
1998	9,640	3,742	2,858	2,087	6,399	3,183	2,521	1,005	686	3,472
1999	10,806	3,236	2,920	2,631	7,150	3,890	3,058	973	716	4,412
2000	9,470	3,158	2,733	3,194	7,431	3,521	2,908	926	707	4,026
2001	7,904	2,679	2,494	2,509	5,757	3,314	3,296	712	580	3,694
2002	7,504	2,235	2,334	2,334	4,207	2,318	1,790	565	487	3,524
2003	7,950	2,549	2,551	2,679	5,518	3,620	2,558	637	558	3,734
2004	7,425	2,590	1,981	2,461	4,073	2,810	2,185	605	617	3,807
2005	6,755	2,179	2,225	2,157	4,586	3,592	2,561	592	521	3,387
2006	7,277	2,825	2,171	2,587	5,860	3,680	3,386	916	691	3,247
2007	8,032	3,355	2,803	2,911	6,694	4,553	3,335	1,009	865	3,452
2008	7,724	2,728	2,728	2,980	2,487	3,508	2,613	1,056	489	3,738
2009	8,512	3,054	2,469	3,444	7,384	4,376	3,225	1,044	662	4,172
2010	8,430	2,977	2,425	3,476	6,329	4,057	3,509	1,064	585	4,244
2011	9,182	3,256	2,084	2,900	8,948	4,641	4,428	1,356	691	4,319
2012	10,601	3,585	2,145	3,471	9,242	5,017	3,473	1,269	759	5,238
2013 ^a	10,372	3,351	2,644	3,053	7,732	4,751	3,335	1,202	787	4,166
2014	10,900	3,811	3,117	3,440	8,542	5,279	3,220	1,279	685	4,611
2015	11,643	3,834	3,037	4,081	8,547	4,391	3,043	1,196	757	4,395
2016	11,793	3,712	3,411	4,275	6,689	3,967	2,618	1,289	736	4,992
AVERAGES:										
1955-60	9,360	661	3,101	1,644	4,909	1,614	7,398	543	626	5,773
1961-65	6,162	950	2,346	1,308	3,601	1,438	3,714	474	493	5,175
1966-70	7,770	1,639	2,671	1,663	4,138	2,107	5,175	641	563	4,916
1971-75	8,274	1,542	2,960	1,863	4,617	2,018	5,936	609	521	6,328
1976-80	7,669	1,451	3,013	1,826	4,695	1,898	4,879	690	594	6,421
1981-85	5,930	1,473	2,619	1,641	3,645	1,935	3,236	635	513	6,164
1986-90	5,876	1,458	1,959	1,875	3,584	1,811	2,348	499	468	4,681
1991-95	6,476	2,105	2,302	1,887	4,209	2,297	2,337	614	548	4,590
1996-2000	9,559	3,403	2,780	2,584	6,702	3,633	2,956	931	729	4,048
2001-05	7,508	2,446	2,317	2,428	4,828	3,131	2,478	622	552	3,629
2006-10	7,995	2,988	2,519	3,079	5,751	4,035	3,214	1,018	658	3,771
2011-16	10,749	3,592	2,740	3,537	8,283	4,674	3,353	1,265	736	4,620
1955-2015	7,786	1,952	2,608	2,091	4,940	2,546	3,988	709	584	5,016
PERCENT CHANGE IN 2016 FROM:										
2015	1%	-3%	12%	5%	-22%	-10%	-14%	8%	-3%	14%
1955-2015 AVG	51%	90%	31%	104%	35%	56%	-34%	82%	26%	0%

^a Because of issues with USFWS aircraft stratum 1, 6, and 50 were not flown. Population estimates for these stratum were imputed from the historical time series.

Breeding population estimates and 95% confidence intervals or credibility intervals (CIs; in thousands) for the 10 most abundant species of ducks in the eastern survey area, 1990-2016 ^a .																				
Year	Mergansers ^b		Mallards		American black ducks		American wigeon ^c		Green-winged teal		Scaup ^{d,e}		Ring-necked duck		Goldeneyes ^d		Bufflehead ^f		Scoters ^{e,f}	
	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI	N	CI
1990	384.1	(326.3, 456.5)	308.9	(208.4, 469.2)	589.4	(526.7, 667.1)	13.5	(1-25)	246.6	(195.0, 323.8)	50.9	(4-97)	511	(407.3, 652.2)	375.3	(295.0, 483.8)	35.5	(23-47)	99.5	(0.1-199)
1991	455.8	(384.1, 545.9)	355.4	(238.0, 547.2)	594.8	(525.6, 685.2)	15.2	(2-28)	239.8	(187.8, 321.5)	38.8	(17- 60)	452.9	(362.6, 575.4)	390.1	(310.2, 501.0)	28.4	(14-41)	89.8	(24-154)
1992	457.9	(379.3, 559.9)	354.1	(234.7, 543.8)	568.5	(506.0, 647.7)	5.1	(0.5- 9)	229.8	(181.1, 309.1)	36.9	(3- 69)	463.2	(368.5, 599.3)	402.6	(317.7, 515.0)	45.3	(27-63)	85.2	(0.1-190)
1993	434.6	(361.7, 525.1)	360.3	(240.4, 552.6)	547.8	(483.0, 626.7)	10.4	(3-17)	210.4	(162.6, 284.1)	12.0	(3-21)	431.1	(341.1, 555.8)	387.7	(305.9, 503.6)	6.6	(3-10)	104.4	(18-190)
1994	430.8	(354.4, 537.1)	370.5	(243.8, 571.2)	508.5	(446.4, 576.9)	10.2	(2-18)	219.6	(169.2, 296.0)	36.7	(6- 66)	426.2	(337.3, 547.7)	402	(314.7, 517.4)	24.3	(7-41)	162.2	(38-285)
1995	470.5	(387.0, 572.2)	304.6	(203.6, 469.1)	592.2	(522.7, 680.1)	9.5	(0-21)	225.3	(172.8, 302.0)	16.5	(0- 34)	442.3	(347.8, 563.7)	350.4	(276.3, 455.4)	10.3	(4-16)	25.9	(7- 44)
1996	425.2	(362.9, 505.0)	339.3	(227.0, 520.7)	713.1	(635.2, 803.6)	10.0	(3-16)	298.1	(235.2, 390.4)	20.4	(2- 38)	561.9	(445.8, 716.6)	429.3	(338.4, 552.6)	36.1	(23-49)	31.6	(16-47)
1997	432.4	(367.8, 513.0)	364	(242.0, 559.8)	593.7	(533.3, 666.1)	18.2	(10-26)	231.1	(182.7, 307.5)	37.4	(5- 69)	502.5	(402.4, 640.0)	428.5	(340.3, 550.5)	15.3	(8-22)	52.6	(28-76)
1998	355.4	(303.4, 421.5)	401.9	(268.8, 610.7)	629.3	(563.9, 702.8)	58.1	(21-94)	220.7	(172.8, 288.8)	15.6	(1-30)	439	(353.4, 558.9)	375.8	(296.5, 482.8)	26.8	(19-34)	58.9	(35-82)
1999	417.0	(354.0, 496.6)	413.3	(276.3, 628.2)	712.6	(640.4, 802.6)	14.1	(10-18)	264.1	(206.3, 354.4)	22.3	(2- 42)	518.8	(414.9, 656.1)	466.3	(365.2, 608.8)	15.0	(9-20)	24.2	(8-39)
2000	430.0	(368.5, 507.9)	373.1	(256.4, 569.8)	650.5	(587.2, 723.6)	38.1	(6-70)	274.1	(219.2, 349.2)	37.9	(18-57)	553.2	(440.9, 706.6)	444.9	(351.8, 578.7)	15.9	(9-22)	51.7	(28-74)
2001	408.8	(349.5, 479.9)	399.4	(271.3, 597.4)	608.9	(547.4, 679.0)	43.9	(24-63)	227.4	(181.2, 299.2)	137.9	(0.3-286)	496.1	(397.8, 623.1)	514.3	(398.9, 682.0)	40.4	(24-56)	57.1	(28-85)
2002	560.9	(472.8, 666.0)	390.2	(264.3, 589.7)	703.4	(628.1, 783.2)	13.1	(4-21)	269.3	(214.7, 357.2)	68.8	(0.3-150)	496.4	(397.5, 634.2)	579	(443.6, 809.2)	53.2	(35-70)	202.1	(0.6-469)
2003	479.3	(403.9, 568.7)	407.1	(278.7, 621.6)	645.6	(579.5, 725.1)	11.6	(3-19)	269.5	(212.5, 350.0)	38.8	(12-65)	510.5	(413.0, 646.3)	432.7	(340.6, 563.6)	18.9	(11-26)	73.4	(27-119)
2004	514.1	(436.7, 605.8)	432.4	(293.7, 653.5)	644.4	(578.0, 725.5)	22.8	(11-34)	309.3	(242.3, 406.4)	22.8	(10-35)	553.7	(448.1, 707.5)	426.9	(341.1, 540.8)	17.3	(10-24)	103.3	(57-149)
2005	478.5	(404.9, 568.5)	415.5	(279.7, 641.9)	614.3	(548.9, 695.0)	31.1	(17-44)	245.8	(195.2, 321.1)	30.0	(14-46)	522.8	(420.5, 658.0)	389.8	(308.5, 497.9)	18.8	(8-28)	74.8	(45-104)
2006	431.2	(367.1, 509.4)	387.7	(260.3, 586.4)	632	(562.1, 709.8)	11.5	(5-17)	249.7	(195.0, 327.2)	36.9	(18-54)	535.3	(431.7, 676.4)	386.9	(307.5, 495.8)	15.1	(9-21)	78.8	(27-130)
2007	459.8	(389.5, 543.8)	438.6	(297.9, 671.3)	737.8	(656.9, 831.3)	14.0	(5-23)	276.7	(219.7, 361.5)	31.3	(18-43)	659.2	(530.6, 840.7)	466.3	(365.4, 604.7)	15.7	(8-22)	103.2	(40-165)
2008	438.9	(373.6, 518.1)	431.1	(293.5, 650.8)	634.5	(571.3, 714.2)	8.4	(2-14)	303.5	(228.3, 422.1)	32.5	(21-43)	538.6	(434.6, 676.3)	438.2	(346.2, 571.7)	30.2	(19-40)	85.6	(56-115)
2009	463.5	(393.1, 549.2)	452.9	(303.8, 682.5)	591.1	(531.1, 661.2)	12.0	(6-18)	294.9	(228.9, 396.3)	38.4	(20-56)	530.3	(424.9, 668.9)	404	(317.7, 528.5)	26.9	(18-35)	101.4	(62-140)
2010	381.3	(322.7, 449.7)	367.5	(248.6, 555.5)	561	(503.8, 631.4)	7.3	(1-13)	275.7	(216.8, 359.9)	51.1	(33-68)	534.1	(432.0, 672.5)	400.8	(313.3, 522.8)	25.4	(18-32)	74.9	(43-106)
2011	401.6	(340.6, 478.7)	419.2	(281.2, 630.5)	539.5	(484.3, 603.3)			247	(197.2, 325.5)			514.1	(412.7, 648.1)	402.2	(318.0, 522.7)				
2012	423.4	(361.7, 504.5)	400.6	(274.6, 601.1)	600.3	(537.7, 673.6)			253.9	(199.9, 331.5)			515	(409.9, 646.2)	395.7	(313.7, 505.6)				
2013 ^g	469.6	(399.1, 558.0)	489.7	(317.5, 770.2)	620.5	(556.9, 691.6)			285.1	(226.4, 376.4)			627.4	(500.3, 816.6)	458.6	(365.1, 587.0)				
2014	416.4	(352.9, 493.7)	432.4	(293.5, 659.9)	610.3	(543.5, 689.8)			228.7	(178.4, 298.5)			490.0	(395.3, 622.6)	390.0	(298.9, 545.2)				
2015	409.3	(348.1, 484.7)	405.7	(274.9, 611.7)	540.6	(483.1, 609.5)			221	(171.6, 290.5)			505.2	(404.6, 643.3)	357.6	(280.4, 466.6)				
2016	439.0	(373.8, 520.8)	408.8	(268.6, 674.0)	612.2	(543.9, 698.3)			222.2	(173.3, 299.2)			577.9	(460.7, 736.6)	362.8	(284.7, 476.5)				

^a Estimates for mergansers, mallards, American black ducks, green-winged teal, ring-necked duck, and goldeneyes from Bayesian hierarchical analysis using FWS and CWS data from strata 51, 52, 63, 64, 66-68, 70-72. All others were computed as harmonic means of FWS and CWS estimates for strata . . . 51, 52, 63, 64, 66-68, 70-72.

^b Common, red-breasted, and hooded.

^c Greater and lesser.

^d Common and Barrow's.

^e Black and surf.

^f Estimates were design based and have been dropped starting in 2011

^g Because of issues with USFWS aircraft eastern population estimates were derived solely from the CWS plot survey, strata 51, 52, 63, 64, 66-68, 70-72.

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Sheet: Eastern

Number of Canada goose breeding pairs estimated for the Ungava Peninsula (regions 1,2 and 3) of northern Quebec.

Year ^a	Total area (km ²)	Surveyed area (km ²)	TOTAL PAIRS (SE)
1988	224,869	575	118,159 (15,137)
1993	224,869	838	92,992 (12,466)
1994	224,869	1,211	43,184 (3,991)
1995	224,869	1,204	33,995 (3,045)
1996	224,869	1,204	51,466 (4,789)
1997	224,869	1,211	72,079 (6,584)
1998	224,869	1,211	48,559 (4,471)
1999	224,869	1,198	83,750 (7,629)
2000	224,869	1,211	95,777 (8,447)
2001	224,869	1,211	135,196 (12,533)
2002	224,869	1,211	182,371 (17,587)
2003	224,869	1,211	174,942 (17,246)
2004	224,869	1,185	191,789 (19,192)
2005	224,869	1,211	175,679 (16,737)
2006	224,869	850	186,109 (19,951)
2007	224,869	1,191	207,262 (21,115)
2008	224,869	1,185	174,007 (18,195)
2009	224,869	1,211	186,844 (19,713)
2010	224,869	1,211	165,075 (17,503)
2011	224,869	1,204	216,032 (23,230)
2012	224,869	1,211	190,340 (20,448)
2013 ^b	-	-	-
2014	224,869	953	191,234 (20,050)
2015	224,869	960	161,302 (16,040)
2016	224,869	915	191,526 (24,898)

^a1988 (Malecki and Trost 1990); 1993 (Bordage and Plante 1993); 1994 (Harvey 1994); 1995 (Harvey and Bourget 1995); 1996 (Harvey and Bourget 1996); 1997 (Harvey and Bourget 1997); 1998-2005 (Harvey and Rodrigue 1998-2012).

^bSurvey not flown

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North Atlantic Population Canada goose breeding survey data, strata 66 (Newfoundland) and 67 (Labrador).

Stratum 66 (Newfoundland)												
Year	Raw data			Expansion			Expanded data					
	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	11	47	0	58	116	234.7110	2.73	7,048	30,116	0	37,164	74,328
1997	14	32	4	46	96	223.5344	2.73	8,543	19,528	2,441	28,071	58,584
1998	28	62	71	90	251	132.2316	2.73	10,108	22,382	25,630	32,489	90,609
1999	59	46	45	105	255	132.2316	2.73	21,299	16,606	16,245	37,904	92,053
2000	36	45	38	81	200	132.2316	2.73	12,996	16,245	13,718	29,240	72,198
2001	39	32	17	71	159	132.2316	2.73	14,079	11,552	6,137	25,630	57,398
2002	27	50	63	77	217	132.2316	2.73	9,747	18,050	22,743	27,796	78,335
2003	33	50	4	83	170	132.3795	2.73	11,926	18,070	1,446	29,996	61,437
2004	34	42	19	76	171	132.2316	2.73	12,274	15,162	6,859	27,435	61,730
2005	19	37	41	56	153	134.1206	2.73	6,957	13,548	15,012	20,504	56,021
2006	29	52	31	81	193	132.2316	2.73	10,469	18,772	11,191	29,240	69,672
2007	43	48	9	91	191	134.2033	2.73	15,754	17,586	3,297	33,340	69,978
2008	28	25	11	53	117	134.3980	2.73	10,273	9,173	4,036	19,446	42,928
2009	28	44	75	72	219	134.3983	2.73	10,273	16,144	27,518	26,417	80,353
2010	29	53	84	82	248	134.3983	2.73	10,640	19,446	30,820	30,086	90,993
2011	17	34	72	51	174	137.4321	2.73	6,378	12,756	27,014	19,135	65,283
2012	40	60	20	100	220	140.5945	2.73	15,353	23,029	7,676	38,382	84,441
2013****												
2014	33	39	23	72	167	195.3493	2.73	17,599	20,799	12,266	38,398	89,062
2015	38	33	15	71	157	144.097	2.73	14,949	12,982	5,901	27,930	61,761
2016	33	55	9	88	185	134.3983	2.73	12,108	20,180	3,302	32,288	67,878
Stratum 67 (Labrador)												
Year	Raw data			Expansion			Expanded data					
	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	12	50	37	62	161	368.6623	2.73	12,077	50,322	37,239	62,400	162,038
1997	22	29	30	51	132	261.1358	2.73	15,684	20,674	21,387	36,358	94,103
1998	19	11	52	30	112	261.1358	2.73	13,545	7,842	37,071	21,387	79,845
1999	45	41	6	86	178	250.6904	2.73	30,797	28,060	4,106	58,857	121,820
2000	13	29	67	42	151	250.6904	2.73	8,897	19,847	45,854	28,744	103,342
2001	20	27	11	47	105	250.6904	2.73	13,688	18,478	7,528	32,166	71,860
2002	14	36	67	50	167	250.6904	2.73	9,581	24,638	45,854	34,219	114,292
2003	34	11	15	45	105	250.6904	2.73	23,269	7,528	10,266	30,797	71,860
2004	25	34	80	59	198	250.6904	2.73	17,110	23,269	54,751	40,379	135,508
2005	24	21	18	45	108	250.6904	2.73	16,425	14,372	12,319	30,797	73,914
2006	13	20	14	33	80	221.4289	2.73	7,859	12,090	8,463	19,949	48,360
2007	22	32	35	54	143	247.9313	2.73	14,891	21,659	23,690	36,550	96,790
2008	19	18	34	37	108	221.9459	2.73	11,512	10,906	20,601	22,419	65,439
2009	19	26	74	45	164	221.9437	2.73	11,512	15,754	44,837	27,266	99,369
2010	12	28	27	40	107	224.5910	2.73	7,358	17,168	16,555	24,525	65,605
2011	18	30	47	48	143	224.1728	2.73	11,016	18,360	28,764	29,376	87,515
2012	16	37	125	53	231	229.2841	2.73	10,015	23,160	78,243	33,175	144,593
2013****												
2014	28	34	32	62	156	221.9437	2.73	16,965	20,601	19,389	37,566	94,521
2015	22	22	31	44	119	221.9437	2.73	13,330	13,330	18,783	26,660	72,103
2016	15	20	14	35	84	221.9437	2.73	9,089	12,118	8,483	21,207	50,896
Combined total, strata 66 and 67												
Year	Raw data			Expansion			Expanded data					
	Singles	Pairs	Grouped	TIP*	TIB**	factor	VCF***	Singles	Pairs	Grouped	TIP*	TIB**
1996	23	97	37	120	277			19,126	80,438	37,239	99,564	236,366
1997	36	61	34	97	228			24,227	40,202	23,828	64,429	152,687
1998	47	73	123	120	363			23,653	30,223	62,701	53,876	170,454
1999	104	87	51	191	433			52,096	44,665	20,351	96,761	213,874
2000	49	74	105	123	351			21,893	36,092	59,571	57,985	175,541
2001	59	59	28	118	264			27,766	30,030	13,665	57,797	129,258
2002	41	86	130	127	384			19,328	42,687	68,596	62,016	192,628
2003	67	61	19	128	275			35,195	25,598	11,711	60,793	133,298
2004	59	76	99	135	369			29,383	38,431	61,610	67,814	197,238
2005	43	58	59	101	261			23,382	27,920	27,331	51,302	129,934
2006	42	72	45	114	273			18,327	30,862	19,654	49,189	118,032
2007	65	80	44	145	334			30,645	39,245	26,987	69,890	166,768
2008	47	43	45	90	225			21,786	20,079	24,637	41,865	108,367
2009	47	70	149	236	383			21,786	31,897	72,355	53,683	179,721
2010	41	81	111	122	355			17,998	36,614	47,375	54,612	156,598
2011	35	64	119	99	317			17,394	31,116	55,777	48,510	152,798
2012	56	97	145	153	451			25,368	46,189	85,920	71,557	229,034
2013****												
2014	61	73	55	134	323			34,564	41,400	31,655	75,964	183,583
2015	60	55	46	115	276			28,279	26,312	24,684	54,590	133,864
2016	48	75	23	123	269			21,197	32,298	11,785	53,495	118,774

* Total indicated pairs = Singles + Pairs

** Total indicated birds = 2 x Singles + 2 x Pairs + Grouped

*** Visibility correction factor

**** Survey not flown

Breeding-ground survey estimates ¹ of Southern James Bay Population Canada geese										
Year	Spring Population			Observed as Breeding Pairs			Observed as Non-Breeders			Spr. Pop.
	Akimiski Is.	Mainland	Total	Akimiski Is.	Mainland	Total	Akimiski Is.	Mainland	Total	
1990	48,120	63,932	112,052	32,742	59,316	92,058	15,378	4,616	19,994	112,052
1991	32,253	67,563	99,816	21,126	51,240	72,366	11,128	16,323	27,451	99,817
1992	25,783	61,534	87,318	20,416	52,548	72,964	5,367	8,987	14,354	87,318
1993	20,692	49,202	69,895	14,116	36,554	50,670	6,576	12,648	19,225	69,895
1994	40,419	55,732	96,151	16,024	29,700	45,724	24,395	26,032	50,427	96,151
1995	25,004	69,069	94,074	15,920	58,176	74,096	9,084	10,893	19,977	94,073
1996	36,745	85,285	122,029	19,796	51,302	71,096	16,950	33,983	50,932	122,028
1997	28,932	67,826	96,758	22,440	64,540	86,980	6,493	3,285	9,778	96,758
1998	31,318	75,372	106,690	17,928	52,384	70,312	13,390	22,988	36,378	106,690
1999	31,172	103,544	134,716	22,714	85,430	108,144	8,459	18,113	26,572	134,716
2000	23,154	64,952	88,106	17,018	61,686	78,704	6,137	3,265	9,402	88,106
2001	27,050	69,438	96,488	18,558	49,856	68,414	8,493	19,582	28,074	96,488
2002	21,079	43,324	64,403	16,116	39,118	55,234	4,963	4,207	9,170	64,404
2003	17,323	89,188	106,511	15,374	74,866	90,240	1,949	14,322	16,272	106,512
2004	16,693	75,825	92,518	11,820	63,352	75,170	4,874	12,474	17,347	92,517
2005 ²	13,608	32,670	46,278	9,782	32,424	42,206	3,826	246	4,072	46,278
2006	22,037	138,392	160,430	16,980	111,900	128,880	5,057	26,492	31,549	160,429
2007 ³	23,659	72,410	96,068	13,948	50,834	64,782	9,710	21,576	31,286	96,068
2008 ⁴	15,770	94,640	110,409	13,794	78,540	92,332	1,977	16,100	18,077	110,409
2009	11,260	66,280	77,540	8,842	60,395	69,237	2,418	5,884	8,302	77,539
2010	17,677	69,593	87,270	13,649	62,686	76,335	4,028	6,907	10,935	87,270
2011	13,420	85,528	98,948	11,539	75,352	86,891	1,881	10,176	12,057	98,948
2012	16,813	78,130	94,943	11,305	66,197	77,502	5,508	11,932	17,440	94,942
2013	12,144	51,937	64,081	10,022	50,834	60,856	2,123	1,103	3,226	64,082
2014	14,635	66,666	81,301	12,213	65,960	78,173	2,422	706	3,127	81,301
2015 ⁵	9,433	51,251	60,684	8,182	46,165	54,347	1,251	5,086	6,337	60,684
Averages:										
1990-94	33,453	59,593	93,046	20,885	45,872	66,756	12,569	13,721	26,290	93,047
1995-99	30,634	80,219	110,853	19,760	62,366	82,126	10,875	17,852	28,727	110,853
2000-04	21,060	68,545	89,605	15,777	57,776	73,552	5,283	10,770	16,053	89,605
2005-09	17,267	80,878	98,145	12,669	66,819	79,487	4,598	14,060	18,657	98,145
2010-15	14,020	67,184	81,205	11,152	61,199	72,351	2,869	5,985	8,854	81,205
1990-15	22,931	71,126	94,057	15,860	58,898	74,758	7,071	12,228	19,299	94,057

¹ Estimates = geese observed X 1.4 visibility correction

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² Survey flown with different aircraft (Aero Commander) and during late incubation and hatching. Estimates biased low due to visibility differences.

³ The mainland survey area was reduced by 20,000 km².

⁴ Four transects were not flown in Stratum II

⁵ Final year of survey designed to estimate populations of SJBP geese. Population designation changed following 2015.

GREATER SNOW GOOSE POPULATION AND PRODUCTIVITY ESTIMATES FROM THE ST. LAWRENCE VALLEY, 1965-2016 (CWS-Quebec Region)					
Year	Estimated spring population ¹	Percent young in fall flight ²		Brood size ³ in fall	
		Mean	No. geese	Mean	No. broods
1965	25,400				
1966	25,400				
1967	40,900				
1968	38,900				
1969	68,800				
1970	89,600				
1971	123,300				
1972	134,800				
1973	143,000	40.6	800	2.94	49
1974	165,000	6.4	7,282	2.19	119
1975	153,800	31.2	17,579	2.71	1,294
1976	165,600	12.6	20,847	2.46	419
1977	160,000	23.9	10,297	2.28	396
1978	192,600	17.9	9,679	2.34	309
1979	170,100	28.2	20,849	2.65	1,226
1980	180,000	35.3	12,120	2.76	651
1981	170,800	16.3	10,683	2.3	229
1982	163,000	25.1	9,577	2.48	661
1983	185,000	47.4	12,353	2.86	1,246
1984	225,400	30.4	39,781	2.63	2,434
1985	260,000	25.8	33,700	2.49	1,682
1986	303,500	2.3	22,998	1.89	74
1987	255,000	40.2	33,278	2.77	1,882
1988	363,800 ⁴	33.1	40,246	2.76	2,444
1989	363,200	31.1	29,191	2.59	2,014
1990	368,300	23.6	20,313	2.54	830
1991	352,600	38.3	15,102	2.69	1,247
1992	448,100	5.4	32,252	2.06	404
1993	498,400	47.8	24,163	2.75	2,743
1994	591,400	9.2	16,444	2.44	242
1995	616,600	16.6	19,519	2.47	665
1996	669,100	25.1	22,595	2.34	1,247
1997	657,500	36.8	17,586	2.69	1,222
1998	(836,600) ⁵	33.1	17,982	2.52	1,440
1999	(1,008,000) ⁶	2.1	20,394	2.09	91
2000	(816,500) ⁵	22.7	20,468	2.54	1,302
2001	837,400	27.5	22,106	2.36	1,072
2002	639,300	6.0	18,930	1.91	274
2003	678,000	27.0	15,900	2.36	1,092
2004	957,600	17.8	26,206	2.44	1,031
2005	814,600	20.7	29,022	2.38	1,470
2006	1,016,900	19.7	23,378	2.34	1,143
2007	1,019,000	20.6	25,463	2.28	1,371
2008	(922,000) ⁵	40.0	32,020	2.62	3,188
2009	(1,071,000) ⁵	10.6	28,969	2.08	753
2010	(1,098,000) ⁵	19.6	27,030	2.26	1,533
2011	917,000	28.0	31,719	2.42	2,291
2012	1,005,000	12.2	25,822	2.19	834
2013	921,000 ^{6,7}	7.9	31,749	1.86	693
2014	796,000	21.5	28,194	2.15	1,896
2015	818,000	14.6	25,677	2.16	253
2016	915,000	-	-	-	-

¹ From aerial photo counts

² From visual ground counts

³ Broods accompanied by 2 parents

⁴ No spring survey conducted - the value provided was derived from population model published in Gauvin & Reed (CWS Occas. Pap. No. 64. 1987)

⁵ The estimates in brackets have been corrected to account for flocks not observed during the survey, using data from a telemetry study.

⁶ Estimates calculated with the revised sampling methodology

⁷ The estimate has to be reanalyzed

Source, 1965-2000:

Reed, A., G. Gauthier, J-F. Giroux, and A. Béchet. 2000. Population and productivity surveys of greater snow geese in 2000. Report to the USFWS and the Atlantic Flyway Council Technical Section, February 2000.

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SALES OF MIGRATORY GAME BIRD HUNTING PERMITS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN*	CAN TOTAL
1966	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394				380,059
1967	14,863	3,094	7,883	7,739	32,491	146,493	35,620	44,651	55,892	33,195				383,032
1968	17,645	3,649	9,022	9,558	37,110	139,182	38,712	43,596	53,623	33,301				385,553
1969	19,089	3,794	8,848	10,110	39,477	134,037	41,611	45,347	53,602	32,764				389,325
1970	21,347	3,962	9,926	10,293	46,009	135,231	39,230	47,722	59,986	31,350				405,650
1971	23,460	4,513	11,381	11,146	50,276	133,563	40,960	49,448	62,902	30,225				418,237
1972	23,682	4,492	12,158	11,336	53,082	131,427	41,133	50,004	63,309	31,032				421,677
1973	27,919	4,972	15,071	12,869	57,247	141,277	41,711	51,307	67,012	33,456				452,841
1974	25,127	5,038	13,791	11,916	58,345	136,469	37,167	51,504	66,127	27,764	591	323		434,162
1975	30,115	4,963	13,990	12,930	63,768	148,670	42,846	57,723	69,191	25,918	721	485		471,320
1976	29,621	5,756	13,326	13,743	66,453	143,816	46,681	61,669	75,739	26,561	893	513		484,771
1977	36,188	6,158	15,744	14,209	72,828	156,895	46,438	60,029	82,175	28,357	902	607		520,530
1978	37,297	6,396	16,297	15,249	74,745	159,698	50,169	57,958	77,117	28,561	821	638		524,946
1979	35,490	5,888	14,098	13,409	73,209	150,224	49,344	56,174	77,021	28,263	755	584		504,459
1980	31,362	5,802	14,257	12,471	76,133	147,952	48,340	54,081	79,318	27,943	732	525		498,916
1981	31,401	5,611	14,130	12,287	75,178	141,677	46,528	42,856	66,163	28,243	764	514		465,352
1982	31,215	5,461	13,728	12,759	72,850	144,436	45,273	47,236	64,968	26,522	800	572		465,820
1983	30,977	5,898	13,468	12,758	67,700	139,569	40,443	45,383	61,742	24,170	750	474		443,332
1984	31,309	5,525	12,896	11,486	65,308	140,521	35,238	37,720	51,717	21,892	850	496		414,958
1985	25,652	5,171	10,749	10,354	60,823	130,089	31,753	36,445	44,880	18,753	713	361		375,743
1986	25,498	5,300	11,047	11,083	59,685	131,930	33,570	37,692	45,042	17,924	692	358		379,821
1987	21,080	4,959	10,299	9,897	55,124	122,472	30,207	29,930	40,122	16,259	523	391		341,263
1988	23,655	4,906	10,264	10,646	57,206	117,310	25,108	23,258	34,513	15,595	496	367		323,324
1989	24,707	4,838	10,092	9,971	54,605	114,292	23,898	22,916	34,559	14,694	420	308		315,300
1990	24,831	4,625	10,115	9,974	54,700	115,130	22,641	22,964	32,212	13,851	431	240		311,714
1991	20,738	4,209	10,104	9,997	53,739	108,802	22,122	22,414	29,399	13,601	352	300		295,777
1992	20,317	3,753	9,193	9,338	49,267	103,403	20,048	20,620	28,059	12,429	348	256		277,034
1993	20,585	3,609	8,988	9,008	47,675	95,824	19,199	19,771	26,787	11,818	327	287		263,878
1994	20,399	3,380	9,314	9,468	46,537	92,344	18,838	20,254	26,211	11,037	320	294		258,396
1995	20,231	3,479	9,176	8,674	38,955	83,720	19,630	20,554	25,747	9,855	342	318		240,681
1996	16,312	3,303	8,652	8,536	36,004	80,194	19,702	20,475	27,299	10,069	318	306		231,170
1997	14,289	3,051	7,731	7,573	31,435	72,522	18,918	20,109	26,863	10,186	278	268		213,223
1998	13,101	2,946	7,681	7,095	30,115	70,427	18,494	21,822	22,239	9,816	286	231		204,253
1999	13,120	2,671	7,411	6,828	31,960	67,084	17,524	21,685	21,415	9,317	292	231		199,559
2000	12,220	2,805	7,072	6,402	31,375	63,678	15,856	21,962	21,792	9,010	272	224	2	192,694
2001	17,185	2,445	6,647	5,982	30,480	58,483	15,059	18,425	19,543	8,200	224	251	24	183,087
2002	16,069	2,342	6,317	5,943	29,994	56,677	14,905	17,339	17,815	7,480	250	217	28	175,430
2003	15,756	2,316	5,926	6,069	30,450	56,953	15,132	18,208	18,373	6,541	244	159	12	176,194
2004	14,821	2,124	5,727	5,715	30,065	55,570	14,292	18,339	18,782	6,409	192	182	24	172,507
2005	13,574	2,012	5,485	5,556	28,877	53,164	13,892	18,611	19,340	6,187	193	204	30	167,152
2006	14,224	1,474	5,382	5,331	28,035	54,404	14,246	18,647	19,403	5,833	202	167	20	167,368
2007	15,680	1,620	5,467	5,406	28,836	53,667	14,089	19,381	20,460	6,130	186	207	22	171,311
2008	16,155	1,578	5,573	5,531	29,767	55,039	13,648	18,082	20,463	6,371	190	183	26	172,614
2009	15,686	1,687	5,555	5,564	29,700	55,624	12,708	17,898	19,378	6,639	217	190	34	170,882
2010	15,762	1,775	5,704	5,550	30,599	55,674	12,761	17,995	19,939	6,442	247	200	52	172,700
2011	15,826	1,761	5,619	5,595	30,866	56,314	11,896	17,533	21,433	6,314	251	234	26	173,711
2012	17,449	1,784	5,794	5,818	31,352	57,426	12,421	20,112	21,866	6,800	261	254	38	181,449
2013	17,548	1,742	5,825	6,182	31,943	62,009	12,765	21,376	22,736	7,108	287	259	44	189,844
2014	15,953	1,768	5,289	5,968	32,446	61,365	12,141	20,486	23,406	7,473	389	281	42	187,007
2015	15,107	1,704	5,094	5,565	31,237	59,840	12,261	21,056	24,860	7,523	337	300	52	184,936
AVERAGES:														
66-70	17,243	3,980	9,794	10,277	43,218	135,503	40,128	46,528	57,528	31,910				399,691
71-75	26,061	4,866	13,753	12,263	58,111	139,461	40,714	52,635	66,410	29,543	656	404		445,000
76-80	33,992	6,000	14,744	13,816	72,674	151,717	48,194	57,982	78,274	27,937	821	573		506,724
81-85	30,111	5,533	12,994	11,929	68,372	139,258	39,847	41,928	57,894	23,916	775	483		433,041
86-90	23,954	4,926	10,363	10,314	56,264	120,227	27,085	27,352	37,290	15,665	512	333		334,284
91-95	20,454	3,686	9,355	9,297	47,235	96,819	19,967	20,723	27,241	11,748	338	291		267,153
96-00	13,808	2,955	7,709	7,287	32,178	70,781	18,099	21,211	23,922	9,680	289	252		208,180
01-05	15,481	2,248	6,020	5,853	29,973	56,169	14,656	18,184	18,771	6,963	221	203	24	178,237
06-10	15,501	1,627	5,536	5,476	29,387	54,882	13,490	18,401	19,929	6,283	208	189	31	170,975
11-15	16,377	1,752	5,524	5,826	31,569	59,391	12,297	20,113	22,860	7,044	305	266	40	183,389

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Sheet: ALL

* Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF ALL-DUCK HARVESTS IN CANADA, 1968-2015

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*	44,300	19,400	54,800	59,600	333,300	794,000	295,700	292,700	459,100	362,600				2,715,500
1969*	62,700	25,300	50,100	62,900	465,700	928,100	467,300	557,700	778,200	270,100				3,668,100
1970*	66,500	28,900	59,200	61,000	464,900	872,300	518,100	930,500	904,700	283,900				4,190,000
1971*	53,300	30,500	71,100	56,600	454,500	739,000	332,200	690,200	848,000	228,600				3,504,000
1972	56,200	18,200	55,700	51,100	414,900	815,700	356,200	615,100	800,200	260,700				3,444,000
1973	111,500	18,000	117,400	51,900	493,100	752,700	251,900	471,900	831,600	255,400				3,355,400
1974	103,800	31,400	105,500	58,700	569,500	811,500	249,600	699,700	1,014,300	210,900				3,854,900
1975	101,700	28,400	118,000	59,100	467,900	938,300	299,200	807,300	850,700	236,200	9,500	5,000		3,921,300
1976	98,400	37,400	117,900	68,600	602,900	976,400	352,300	807,800	886,600	231,200	29,200	3,900		4,212,600
1977	132,900	30,200	134,500	53,800	631,200	913,300	259,400	508,800	781,100	259,600	20,800	3,100		3,728,700
1978	142,700	30,000	109,500	65,800	529,100	943,200	361,200	527,300	581,700	210,500	18,100	3,000		3,522,100
1979	122,200	20,900	88,400	49,100	460,400	845,400	383,400	582,700	679,300	204,400	9,400	3,000		3,448,600
1980	106,000	31,900	124,700	59,900	500,200	912,100	335,100	443,600	688,800	186,300	11,500	3,000		3,403,100
1981	114,400	26,200	113,600	59,000	507,900	850,100	293,900	273,300	525,600	188,300	5,000	1,500		2,958,800
1982	111,500	39,600	87,700	60,600	512,500	862,000	280,900	324,100	458,200	163,100	3,100	1,100		2,904,400
1983	119,500	36,100	117,300	72,900	454,000	888,400	284,400	381,700	515,700	193,500	13,000	3,000		3,079,500
1984	115,500	35,000	95,600	68,900	439,800	832,800	215,300	258,300	438,500	173,700	11,500	3,200		2,688,100
1985	110,300	31,100	92,300	69,600	494,900	871,500	174,500	210,900	282,800	145,400	15,500	3,000		2,501,800
1986	124,300	29,600	99,800	71,000	434,100	821,800	207,800	226,500	273,600	124,300	5,400	2,900		2,421,100
1987	59,200	28,700	86,100	59,900	468,900	772,400	213,200	207,200	305,300	133,000	4,400	1,500		2,339,800
1988	83,800	34,300	84,800	63,600	446,900	661,300	126,000	104,800	183,100	115,500	5,100	1,300		1,910,500
1989	92,700	21,600	120,700	64,400	433,800	682,800	121,000	104,100	254,800	102,900	1,200	800		2,000,800
1990	91,500	20,100	104,000	70,500	456,300	684,500	111,800	115,700	231,900	96,200	2,100	500		1,985,100
1991	55,800	28,500	76,700	47,600	357,400	618,000	106,700	102,800	164,600	79,800	800	1,100		1,639,800
1992	63,490	14,995	90,203	52,749	345,468	539,960	119,146	90,093	129,381	80,352	1,237	864		1,527,938
1993	63,384	21,069	90,346	49,239	385,095	564,701	91,892	76,017	119,744	69,688	1,746	1,319		1,534,240
1994	78,453	17,530	87,322	51,273	342,454	502,989	113,788	128,611	163,664	76,716	1,999	882		1,565,681
1995	67,360	27,892	93,199	74,272	298,999	512,934	135,147	149,321	152,792	62,222	2,156	1,392		1,577,686
1996	56,532	19,257	79,992	56,202	255,647	460,414	168,503	190,133	183,079	72,241	1,988	597		1,544,585
1997	57,709	21,371	74,203	50,635	261,923	461,372	183,468	204,211	229,746	81,180	1,667	392		1,627,877
1998	61,367	15,361	82,094	59,803	256,382	425,275	175,742	205,545	170,071	87,429	1,985	1,102		1,542,156
1999	51,464	19,923	86,556	56,641	270,264	385,577	162,355	233,178	157,613	70,934	1,431	308		1,496,244
2000	63,617	13,540	69,188	52,476	244,486	367,333	148,147	242,275	160,684	73,409	1,055	460	114	1,436,784
2001	50,206	17,815	58,477	41,656	215,780	364,497	168,274	153,503	135,353	55,594	1,021	409	0	1,262,585
2002	50,457	15,651	62,118	43,051	189,473	351,891	155,537	173,087	125,532	58,736	3,344	1,131	0	1,230,008
2003	41,648	14,637	55,788	44,613	177,880	313,728	128,550	185,457	124,369	51,992	1,815	548	710	1,141,735
2004	44,272	9,944	47,771	32,306	171,618	289,678	146,093	195,058	136,064	43,430	1,927	184	0	1,118,345
2005	42,897	12,410	44,881	34,810	182,650	273,663	161,893	225,848	152,716	52,576	2,063	2,293	0	1,188,700
2006**	48,138	12,680	44,651	37,114	186,036	303,982	173,737	243,088	153,467	41,048	524	167	0	1,244,632
2007**	63,554	12,373	57,347	40,065	172,585	273,613	143,709	242,541	159,477	44,313	1,569	1,855	0	1,212,174
2008**	59,079	11,164	51,031	37,006	184,236	279,513	129,988	222,761	173,402	53,351	334	975	0	1,202,840
2009**	47,660	10,115	40,471	28,484	169,740	252,948	124,371	187,240	110,861	46,557	2,659	155	0	1,021,261
2010**	44,608	14,786	41,938	40,259	162,177	263,081	115,250	204,101	121,573	45,167	696	0	0	1,503,636
2011**	46,879	13,593	41,666	32,894	165,466	268,672	124,777	268,147	147,933	49,614	835	0	0	1,160,476
2012**	55,136	19,835	41,236	33,878	158,372	242,974	121,539	266,797	144,926	54,243	2,130	928	0	1,141,994
2013**	53,286	13,126	45,969	38,398	146,552	268,754	128,693	306,159	177,523	43,656	1,384	2,362	0	1,225,862
2014**	25,854	14,420	24,818	31,417	142,214	280,683	113,921	293,971	164,465	50,513	3,757	880	0	1,146,913
2015**	30,970	8,217	35,832	27,911	135,484	314,333	121,332	276,222	156,241	44,717	336	459	0	1,152,054
AVERAGES:														
1968-71	56,700	26,025	58,800	60,025	429,600	833,350	403,325	617,775	747,500	286,300				3,519,400
1972-75	93,300	24,000	99,150	55,200	486,350	829,550	289,225	648,500	874,200	240,800	9,500	5,000		3,643,900
1976-80	120,440	30,080	115,000	59,440	544,760	918,080	338,280	574,040	723,500	218,400	17,800	3,200		3,663,020
1981-85	114,240	33,600	101,300	66,200	481,820	860,960	249,800	289,660	444,160	172,800	9,620	2,360		2,826,520
1986-90	90,300	26,860	99,080	65,880	448,000	724,560	155,960	151,660	249,740	114,380	3,640	1,400		2,131,460
1991-95	65,697	21,997	87,554	55,027	345,883	547,717	113,335	109,368	146,036	73,756	1,588	1,111		1,569,069
1996-2000	58,138	17,890	78,407	55,151	257,740	419,994	167,643	215,068	180,239	77,039	1,625	572	114	1,529,529
2001-05	45,896	14,091	53,807	39,287	187,480	318,691	152,069	186,591	134,807	52,466	2,034	913	142	1,188,275
2006-10	52,608	12,224	47,088	36,586	174,955	274,627	137,411	219,946	143,756	46,087	1,156	630	0	1,236,909
2011-15	42,425	13,838	37,904	32,900	149,618	275,083	122,052	282,259	158,218	48,549	1,688	926	0	1,165,460

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

**PRELIMINARY

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Sheet: All ducks

*** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF MALLARD HARVESTS IN CANADA, 1968-2015

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*					41,800	231,700	148,600	191,500	275,000	138,300				1,026,900
1969*	100	200	900	500	38,400	228,900	281,300	386,300	541,800	131,900				1,610,300
1970*			700	1,000	42,200	213,900	310,300	687,200	634,300	133,800				2,023,400
1971*		400	700	800	42,400	223,800	198,000	531,700	568,000	113,700				1,679,500
1972	400	100	800	800	61,500	254,200	214,500	477,800	557,600	114,800				1,682,500
1973	100	400	1,200	1,200	72,300	255,400	137,500	349,100	546,900	106,000				1,470,100
1974	300	200	500	1,300	74,100	257,200	145,000	499,600	714,100	108,600				1,800,900
1975	700	400	900	700	58,200	296,200	154,300	572,100	531,500	122,700	4,700	1,300		1,743,700
1976	700	300	1,500	800	73,700	318,200	205,100	608,700	612,300	116,200	13,800	1,000		1,952,300
1977	1,100	200	2,300	700	83,600	264,900	163,100	392,400	515,600	129,300	10,700	800		1,564,700
1978	800	300	1,200	1,500	62,400	322,400	239,600	396,700	379,600	116,800	6,700	1,300		1,529,300
1979	500	500	800	1,600	68,300	265,600	245,100	422,700	486,500	116,500	2,700	1,900		1,612,700
1980	0	1,000	3,200	1,400	81,300	290,500	210,000	354,600	482,400	103,400	5,000	1,400		1,534,200
1981	2,400	1,400	2,400	2,500	92,800	281,400	174,600	230,200	388,200	115,000	2,400	900		1,294,200
1982	500	400	1,400	1,800	94,800	333,700	150,300	241,100	295,000	91,500	3,100	0		1,213,600
1983	1,100	1,000	4,100	2,500	87,100	297,800	159,800	285,800	363,700	121,600	4,000	900		1,329,400
1984	800	700	2,100	1,600	66,800	283,600	118,100	181,700	304,800	89,900	7,500	1,700		1,059,300
1985	400	1,300	3,200	3,300	97,200	290,500	290,500	84,500	180,900	81,800	5,800	1,200		908,500
1986	2,500	700	3,200	2,500	84,400	265,400	113,500	151,100	182,000	72,200	800	900		879,200
1987	1,100	1,100	4,200	3,200	116,800	319,100	137,000	163,600	215,300	78,300	500	300		1,040,500
1988	0	1,000	2,400	1,600	82,300	233,700	59,800	73,500	138,000	64,000	4,700	400		661,400
1989	1,300	1,000	4,300	2,200	74,100	261,800	68,000	75,700	187,000	56,500	1,600	800		734,300
1990	1,000	900	3,500	3,200	86,500	262,700	56,700	78,800	173,900	60,100	2,000	400		729,700
1991	1,000	1,100	3,800	4,700	77,700	218,300	60,200	70,300	121,000	51,700	100	700		610,600
1992	967	198	6,343	5,260	89,551	196,776	66,189	66,902	95,405	51,840	668	244		580,343
1993	1,063	1,071	5,110	3,585	97,625	197,754	41,191	49,752	80,268	43,430	1,158	547		522,554
1994	830	828	3,172	2,755	103,446	192,356	56,301	87,448	108,951	49,233	1,999	201		607,520
1995	532	751	4,822	5,131	83,307	176,680	74,206	104,296	111,048	40,782	1,509	278		603,342
1996	351	1,024	4,286	4,044	82,201	176,869	91,266	121,608	115,668	42,447	1,326	0		641,090
1997	1,461	417	8,047	5,371	77,594	178,169	107,379	133,017	151,167	55,513	437	126		718,698
1998	1,628	1,011	5,440	7,512	76,320	164,431	104,470	129,461	119,826	52,663	881	276		663,919
1999	1,188	667	6,305	4,866	69,568	131,901	82,639	122,714	105,126	48,002	0	220		633,196
2000	1,511	1,915	5,481	5,999	81,655	162,352	67,467	197,400	110,163	51,925	512	72	0	686,452
2001	601	1,192	5,721	7,047	79,896	166,629	92,115	107,413	94,699	35,575	643	229	0	591,760
2002	300	2,176	6,498	6,002	66,533	147,847	77,992	118,857	80,707	37,371	1,702	609	0	546,594
2003	696	804	4,711	6,511	58,873	138,099	66,403	126,397	73,088	35,384	410	110	0	511,486
2004	1,985	1,100	5,245	5,228	65,284	132,188	75,970	129,630	78,270	28,516	275	37	0	523,728
2005	754	1,681	4,544	4,732	72,231	115,284	87,315	144,393	78,798	33,586	688	0	0	544,006
2006**	753	1,122	5,490	6,389	72,245	124,751	111,026	174,174	88,533	28,928	215	0	0	613,626
2007**	1,837	1,289	5,711	7,030	65,187	119,403	68,121	163,912	82,133	30,167	897	265	0	545,952
2008**	48	1,725	4,748	5,662	69,899	119,971	60,690	150,906	97,567	35,924	0	488	0	547,628
2009**	80	651	4,079	3,377	65,216	106,537	61,460	135,546	62,778	32,736	0	67	0	472,527
2010**	1,122	2,213	4,129	4,665	56,523	105,400	48,539	125,686	68,014	28,301	0	0	0	444,592
2011**	670	3,434	5,269	5,501	62,037	105,529	59,170	143,258	91,670	32,990	334	0	0	509,889
2012**	767	1,475	3,060	5,682	55,862	79,180	69,173	188,383	89,249	36,160	415	928	0	530,334
2013**	0	758	7,500	9,689	47,579	107,319	42,549	193,591	106,935	29,986	923	0	0	546,829
2014**	1,397	1,602	3,000	5,647	56,092	116,812	30,927	163,468	93,733	26,996	0	440	0	500,114
2015**	650	1,779	7,082	6,647	54,653	114,114	56,624	179,718	88,206	28,664	0	0	0	538,137
AVERAGES:														
1968-71	100	300	767	767	41,200	224,575	234,550	449,175	504,775	129,425				1,585,025
1972-75	375	275	850	1,000	66,525	265,750	162,825	474,650	587,525	113,025	4,700	1,300		1,674,300
1976-80	620	460	1,800	1,200	73,860	292,320	212,580	435,020	495,280	116,440	7,780	1,280		1,638,640
1981-85	1,040	960	2,640	2,340	87,740	297,400	137,460	219,440	306,520	99,960	4,560	940		1,161,000
1986-90	1,180	940	3,520	2,540	88,820	268,540	87,000	108,540	179,240	66,220	1,920	560		809,020
1991-95	878	790	4,649	4,286	90,326	196,373	59,617	75,740	103,334	47,397	1,087	394		584,872
1996-2000	1,228	1,007	5,912	5,558	77,468	162,744	90,644	152,840	120,390	50,110	631	139	0	668,671
2001-05	867	1,391	5,344	5,904	68,563	140,009	79,959	125,338	81,112	34,086	744	197	0	543,515
2006-10	768	1,400	4,831	5,425	65,814	115,212	69,967	150,045	79,805	31,211	222	164	0	524,865
2011-15	697	1,810	5,182	6,633	55,245	104,591	51,689	173,684	93,959	30,959	334	274	0	525,061

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

**PRELIMINARY

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Sheet: MALL

ESTIMATES OF BLACK DUCK HARVESTS IN CANADA, 1968-2015

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*	14,800	4,600	24,000	23,900	87,800	118,900					0	0		274,000
1969*	24,500	9,300	30,400	25,400	85,500	106,700	1,400				0	0		283,200
1970*	23,000	8,800	30,200	22,900	104,600	116,500	1,000				0	0		307,000
1971*	17,800	16,400	43,000	22,400	113,000	97,600	700				0	0		310,900
1972	22,900	9,700	35,700	17,800	103,200	100,800	300				0	0		290,400
1973	21,400	6,900	50,800	22,400	120,700	95,000	400	400			0	0		318,000
1974	29,700	16,600	44,400	22,500	110,100	83,800	700				0	0		307,800
1975	32,900	14,200	57,300	22,900	91,400	83,900	200	100			0	0		302,900
1976	23,200	22,100	57,300	26,200	118,400	95,800	200	700			0	0		343,900
1977	41,100	17,700	67,900	19,600	131,500	81,500	800	500			0	0		360,600
1978	46,200	20,000	64,700	26,300	130,800	90,200	400			100	0	0		378,700
1979	41,700	12,700	43,900	17,400	113,100	86,800	300	400	300	300	0	0		316,900
1980	31,300	21,500	68,700	28,300	120,400	92,700	2,100	300			0	0		365,300
1981	41,200	16,000	57,900	26,900	105,500	77,600	400	200			0	0		325,700
1982	28,400	25,300	47,200	31,200	117,800	86,700	200	500			0	0		337,300
1983	29,700	24,100	57,000	31,000	101,900	61,100	300				0	0		305,100
1984	26,800	23,200	51,600	33,400	107,600	64,400	400		500		0	0		307,900
1985	28,900	18,700	44,000	32,800	110,500	64,700	500	200		0	0	0		300,300
1986	26,600	18,700	46,000	27,700	114,700	59,600	400	300	0	0	0	0		294,000
1987	16,800	17,600	43,600	26,700	129,900	62,400	0	0	0	0	0	0		297,000
1988	19,900	20,900	44,700	31,100	126,100	59,800	0	100	100	0	0	0		302,700
1989	28,600	11,800	47,000	25,800	101,500	47,900	200	0	0	0	0	0		262,800
1990	23,600	11,600	37,800	26,700	105,800	38,800	100	700	300	100	0	0		245,500
1991	16,600	14,900	39,600	20,200	91,800	50,700	1,200	300	1,400	300	0	0		237,000
1992	14,364	8,053	38,715	23,287	83,069	38,328	136	237	76	0	0	0		206,265
1993	13,483	9,785	35,679	18,772	85,531	33,226	1,275	0	0	0	0	0		197,751
1994	16,908	9,811	31,034	22,256	64,913	24,099	243	163	0	0	0	34		169,461
1995	15,461	13,355	40,546	29,332	54,776	33,470	0	204	0	17	0	0		187,161
1996	19,447	9,469	39,759	20,418	49,219	25,289	0	0	0	0	0	0		163,601
1997	18,816	12,982	32,666	17,966	56,103	26,309	265	147	215	0	0	0		165,469
1998	22,410	6,789	33,852	22,802	49,065	23,091	165	0	81	124	0	0		158,379
1999	19,058	10,782	44,658	22,445	51,385	26,579	36	0	0	0	0	0		174,943
2000	21,605	6,980	43,922	18,083	43,476	19,995	222	653	0	0	0	0	0	154,936
2001	16,802	9,465	26,730	12,879	38,719	19,187	293	0	0	0	0	0	0	124,075
2002	18,022	6,214	28,310	14,449	36,348	19,133	0	77	89	0	0	0	0	122,642
2003	10,175	7,229	26,010	15,219	35,078	15,178	0	334	0	0	0	0	0	109,223
2004	12,888	4,828	16,971	9,776	30,590	16,711	0	0	0	0	0	0	0	91,764
2005	9,333	4,560	16,717	9,031	34,472	15,276	191	0	0	0	0	0	0	89,580
2006**	16,529	5,168	20,630	11,159	33,900	16,644	0	0	0	0	0	0	0	104,030
2007**	20,485	7,054	24,180	10,391	27,596	13,462	140	503	0	0	0	0	0	103,811
2008**	22,067	5,829	22,764	12,285	29,154	11,094	160	184	0	0	0	0	0	103,537
2009**	13,583	5,049	18,788	9,719	29,150	14,173	155	0	0	0	0	0	0	90,617
2010**	6,430	7,734	13,105	12,075	31,126	14,058	91	0	0	52	0	0	0	84,671
2011**	8,919	5,866	22,236	9,237	31,678	13,926	0	0	0	0	0	0	0	91,862
2012**	20,213	8,795	24,622	13,261	24,594	11,878	0	0	0	0	0	0	0	103,363
2013**	18,034	7,296	26,773	10,661	22,433	14,436	152	0	0	0	0	0	0	99,785
2014**	3,796	12,817	12,992	10,736	21,414	10,872	0	0	0	0	0	0	0	72,627
2015**	8,869	2615	16,061	6,938	16,670	11,869	430	0	0	0	0	0	0	63,452
AVERAGES:														
1968-71	20,025	9,775	31,900	23,650	97,725	109,925	1,033							293,775
1972-75	26,725	11,850	47,050	21,400	106,350	90,875	400	250						304,775
1976-80	36,700	18,800	60,500	23,560	122,840	89,400	760	475	300	200				353,080
1981-85	31,000	21,460	51,540	31,060	108,660	70,900	360	300						315,260
1986-90	23,100	16,120	43,820	27,600	115,600	53,700	140	220	80	20				280,400
1991-95	15,363	11,181	37,115	22,769	76,018	35,965	571	181	295	63	0	7		199,528
1996-2000	20,267	9,400	38,971	20,343	49,850	24,253	138	160	59	25	0	0	0	163,466
2001-05	13,444	6,459	22,948	12,271	35,041	17,097	97	82	18	0	0	0	0	107,457
2006-10	15,819	6,167	19,893	11,126	30,185	13,886	109	137	0	10	0	0	0	97,333
2011-15	11,966	7,478	20,537	10,167	23,358	12,596	116	0	0	0	0	0	0	86,218

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG

PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT

YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

** PRELIMINARY

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Sheet: ABDU

ESTIMATES OF PINTAIL HARVESTS IN CANADA, 1968-2015

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN***	CAN TOTAL
1968*					21,300		25,800	16,300	51,200	55,500				170,100
1969*	2,200	800	500	1,000	20,500	10,900	21,100	33,800	48,700	23,700				163,200
1970*	900	1,300	1,400	1,900	26,600	14,900	30,700	66,400	78,100	36,500				258,700
1971*	1,000	700	600	1,500	25,800	10,400	20,300	46,000	71,600	28,400				206,300
1972	1,000	400	400	400	16,900	9,700	16,700	29,100	68,900	48,700				192,200
1973	2,600	500	1,100	1,000	19,400	10,500	18,300	31,000	94,700	48,900				228,000
1974	1,100	1,100	1,300	1,300	21,000	10,800	10,700	51,900	98,700	25,700				223,600
1975	900	400	500	800	22,000	9,700	20,400	56,300	82,500	23,200	200	700		217,600
1976	1,300	700	1,000	1,700	29,000	17,300	17,600	34,300	60,800	35,200	2,600	300		201,800
1977	2,400	1,800	1,200	1,000	40,600	14,500	11,600	19,900	71,300	30,400	600	400		195,700
1978	900	800	700	1,400	20,600	13,200	20,700	13,700	38,100	23,000	2,200	200		135,500
1979	1,800	600	500	1,100	15,300	9,100	20,300	29,600	48,300	17,900	1,700	200		146,400
1980	900	500	700	1,300	17,100	13,300	12,700	17,900	43,900	20,900	0	100		129,300
1981	1,100	800	1,000	1,200	17,500	11,600	15,100	2,300	41,000	19,200	100	400		111,300
1982	0	1,600	1,100	1,500	20,300	10,200	14,300	12,700	28,700	14,000	0	0		104,400
1983	2,300	600	700	300	16,300	10,600	11,800	16,800	27,800	13,200	3,700	300		104,400
1984	1,700	1,100	700	900	9,500	35,500	13,200	13,000	32,500	18,700	500	500		127,800
1985	1,600	1,000	1,400	1,800	16,500	15,300	10,900	7,700	23,700	11,500	0	900		92,300
1986	700	600	800	1,700	13,000	9,300	6,700	9,000	9,000	8,800	0	800		60,400
1987	1,100	1,800	600	1,100	11,900	6,300	5,400	8,800	21,200	11,600	0	700		70,500
1988	2,200	1,300	500	800	12,600	8,000	14,000	6,000	15,300	11,000	0	0		71,700
1989	1,500	700	300	1,400	15,600	11,500	8,000	4,900	12,000	8,300	200	0		64,400
1990	4,400	500	700	1,700	19,800	8,300	5,600	10,200	13,600	7,700	600	100		73,200
1991	400	600	900	800	7,600	4,300	4,500	4,600	5,700	4,000	100	100		33,600
1992	0	904	84	473	6,327	4,857	5,214	2,076	6,930	6,521	169	67		33,622
1993	1,133	1,228	911	682	11,113	4,946	5,103	3,263	3,907	4,447	65	0		36,798
1994	946	707	1,093	1,084	10,887	4,526	4,769	7,229	7,252	4,727	0	63		43,283
1995	1,727	454	965	1,240	7,831	4,552	8,974	6,521	7,573	4,476	0	0		44,313
1996	1,246	478	897	1,234	5,043	4,011	10,323	14,477	9,621	5,367	0	0		52,697
1997	785	139	116	493	7,423	5,560	13,248	13,656	13,883	5,422	37	0		60,762
1998	1,026	0	653	757	7,735	6,361	14,347	11,099	11,119	6,462	19	276		59,854
1999	390	1,137	755	1,790	8,956	6,457	9,830	10,610	10,304	5,464	0	0		55,693
2000	470	509	499	581	6,480	5,397	2,633	13,468	9,448	2,240	38	0	0	41,763
2001	137	0	401	611	4,911	3,709	9,207	7,051	8,732	4,807	19	60	0	39,645
2002	1,153	78	543	702	5,527	9,910	13,879	13,055	7,640	4,551	0	0	0	57,038
2003	572	598	228	1,270	6,795	10,422	8,999	8,688	8,205	1,948	234	0	0	47,959
2004	30	317	129	702	6,394	5,208	12,624	23,803	8,380	2,363	0	0	0	59,950
2005	256	313	308	536	4,677	3,178	6,653	13,450	10,769	3,675	0	0	0	43,815
2006**	176	939	90	382	5,067	4,861	8,579	11,853	12,527	2,004	39	0	0	46,517
2007**	228	584	660	634	5,533	5,059	13,329	18,054	10,085	2,410	224	0	0	56,800
2008**	427	252	393	417	4,887	5,745	7,911	15,076	12,833	2,989	0	0	0	50,930
2009**	0	190	104	504	4,039	4,684	4,582	17,226	6,138	2,837	0	2	0	40,326
2010**	296	955	832	609	6,209	6,410	4,894	13,625	6,708	2,062	0	0	0	42,600
2011**	302	0	578	263	3,287	1,670	6,188	20,217	14,053	2,755	0	0	0	49,313
2012**	0	435	62	0	2,216	2,364	2,519	15,474	14,307	4,464	0	0	0	41,841
2013**	612	671	696	721	7,060	4,850	3,796	19,243	15,786	2,357	0	0	0	55,792
2014**	88	0	532	109	2,729	3,350	3,903	30,717	20,996	3,603	0	440	0	66,467
2015**	0	333	355	303	2,435	3,171	7,928	11,790	10,678	2,528	0	0	0	39,521
AVERAGES:														
1968-71	1,367	933	833	1,467	23,550	12,067	24,475	40,625	62,400	36,025				199,575
1972-75	1,400	600	825	875	19,825	10,175	16,525	42,075	86,200	36,625	200	700		215,350
1976-80	1,460	880	820	1,300	24,520	13,480	16,580	23,080	52,480	25,480	1,420	240		161,740
1981-85	1,340	1,020	980	1,140	16,020	16,640	13,060	10,500	30,740	15,320	860	420		108,040
1986-90	1,980	980	580	1,340	14,580	8,680	7,940	7,780	14,220	9,480	160	320		68,040
1991-95	841	779	791	856	8,752	4,636	5,712	4,738	6,272	4,834	67	46		38,323
1996-2000	783	453	584	971	7,127	5,557	10,076	12,662	10,875	4,991	19	55	0	54,154
2001-05	430	261	322	764	5,661	6,485	10,272	13,209	8,745	3,469	51	12	0	49,681
2006-10	225	584	416	509	5,147	5,352	7,859	15,167	9,658	2,460	53	0	0	47,435
2011-15	200	288	445	279	3,545	3,081	4,867	19,488	15,164	3,141	0	88	0	50,587

* - 1968-71 ESTIMATES ARE USEFUL ONLY FOR DISTRIBUTION OF HARVEST AMONG

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PROVINCES. THEY ARE NOT COMPARABLE WITH ESTIMATES IN SUBSEQUENT

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YEARS BECAUSE DIFFERENT SURVEY PROCEDURES WERE USED.

*** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF CANADA GOOSE HARVESTS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	8,185	6,382	8,836	2,182	12,791	33,441	94,330	96,197	85,708	8,913	0	142		357,107
1976	8,443	17,961	11,024	6,699	25,242	37,595	65,152	70,643	67,964	6,848	36	165		317,772
1977	12,578	18,788	8,563	2,451	52,300	57,626	44,236	66,429	59,302	8,758	218	127		331,376
1978	12,743	11,972	6,571	3,412	66,437	53,019	83,032	70,426	78,647	10,800	0	338		397,397
1979	13,401	10,827	5,261	2,614	50,012	64,249	94,496	79,544	79,636	12,931	0	289		413,260
1980	10,938	19,137	8,230	2,594	52,076	73,794	73,810	96,446	100,045	16,656	435	525		454,686
1981	10,202	14,264	7,384	3,744	25,291	49,902	57,927	84,914	95,051	15,843	0	233		364,755
1982	11,186	13,296	5,409	2,584	29,680	69,828	73,828	87,249	97,569	14,479	0	0		405,108
1983	13,652	15,768	9,534	7,370	37,429	69,648	71,671	127,184	108,097	14,877	0	397		475,627
1984	14,086	13,963	6,465	3,019	22,906	63,187	88,745	95,993	87,065	15,841	0	267		411,537
1985	9,669	17,226	6,829	4,071	28,132	76,234	103,441	88,407	103,077	18,510	0	96		455,692
1986	16,770	21,912	8,794	5,660	39,193	83,746	91,603	80,714	88,943	14,853	0	190		452,378
1987	12,509	21,387	10,942	3,015	80,270	87,481	78,007	106,528	124,796	14,830	550	165		540,480
1988	9,379	24,906	9,676	3,377	20,454	76,537	56,025	80,044	99,376	15,266	0	174		395,214
1989	8,845	23,143	15,666	6,629	55,852	101,591	77,752	84,582	121,589	16,418	367	0		512,434
1990	6,379	25,177	6,570	7,285	54,740	97,556	73,645	92,272	125,398	14,835	96	0		503,953
1991	5,885	21,459	9,845	5,229	51,940	83,736	72,591	91,033	111,919	18,211	275	510		472,633
1992	6,427	11,565	4,160	5,368	28,089	79,357	58,043	78,542	90,594	16,130	0	164		378,439
1993	9,266	17,809	12,390	6,520	39,741	80,768	71,407	77,787	90,177	12,943	0	90		418,898
1994	6,645	25,846	6,660	5,555	15,206	83,787	59,405	81,175	103,266	13,116	22	138		400,821
1995	9,527	16,968	8,306	5,467	9,560	88,135	49,639	82,155	114,818	11,297	0	128		396,000
1996	7,503	22,451	8,758	4,470	10,822	87,775	93,438	111,467	137,440	15,477	417	82		500,100
1997	5,165	16,769	7,542	6,105	11,748	89,680	107,304	104,934	125,629	14,602	0	0		489,478
1998	9,746	23,781	10,802	6,225	16,882	109,731	94,033	136,736	104,831	18,586	0	0		531,353
1999	5,464	32,944	12,633	6,079	38,702	100,751	68,822	146,112	137,527	16,093	25	90		565,242
2000	8,223	25,932	13,507	8,418	38,941	125,308	206,378	167,929	132,609	16,544	0	0	0	743,789
2001	5,553	25,136	10,554	5,615	67,763	148,705	102,034	146,829	111,751	13,076	0	0	0	637,016
2002	6,744	22,126	10,831	4,962	87,177	160,474	108,306	125,588	108,758	15,098	0	239	0	650,303
2003	5,004	20,983	4,915	11,245	112,807	160,197	90,183	135,123	116,844	14,353	0	0	0	671,654
2004	4,481	15,028	5,996	6,100	75,316	148,893	92,512	135,759	134,551	8,165	0	0	0	626,801
2005	5,516	16,109	5,240	6,866	103,490	155,736	118,545	139,825	149,148	904	0	0	0	701,379
2006*	4,364	11,245	4,769	6,940	79,569	174,538	105,039	157,414	124,785	9,348	0	0	0	678,011
2007*	5,848	13,586	7,544	9,098	100,811	179,024	97,069	169,206	110,830	9,892	0	514	0	703,857
2008*	6,871	16,468	10,040	9,916	113,670	194,242	91,804	155,728	125,624	10,642	0	0	0	735,005
2009*	4,025	11,926	9,056	9,584	126,497	190,433	1,205	775	1,798	0	0	0	0	355,299
2010*	4,245	15,768	12,765	10,609	121,553	169,379	3,258	14,696	1,297	217	0	0	0	353,787
2011*	5,726	15,768	7,719	8,475	119,596	199,396	86,956	173,045	98,639	14,402	0	0	0	728,924
2012*	6,499	16,605	8,732	10,195	125,577	179,138	101,056	178,543	98,181	16,356	0	0	0	740,882
2013*	7,201	14,370	12,616	12,153	136,417	199,784	109,547	141,655	80,546	11,639	0	154	0	726,082
2014*	3,659	14,766	8,416	12,792	135,897	222,530	82,894	161,815	100,408	14,370	0	154	0	757,701
2015*	2,358	11,377	0	10,457	120,628	213,357	98,550	177,475	120,607	12,272	256	0	0	767,081
AVERAGES:														
1976-80	11,621	15,737	7,930	3,554	49,213	57,257	72,145	76,698	77,119	11,199	138	289		382,898
1981-85	11,759	14,903	7,124	4,158	28,688	65,760	79,122	96,749	98,172	15,910	0	199		422,544
1986-90	10,776	23,305	10,330	5,193	50,102	89,382	75,406	88,828	112,020	15,240	203	106		480,892
1991-95	7,550	18,729	8,272	5,628	28,907	83,157	62,217	82,138	102,155	14,339	59	206		413,358
1996-2000	7,220	24,375	10,648	6,259	23,419	102,649	113,995	133,436	127,607	16,260	88	34	0	565,992
2001-05	5,460	19,876	7,507	6,958	89,311	154,801	102,316	136,625	124,210	10,319	0	48	0	657,431
2006-10	5,071	13,799	8,835	9,229	108,420	181,523	59,675	99,564	72,867	6,020	0	103	0	565,192
2011-15	5,089	14,577	7,497	10,814	127,623	202,841	95,801	166,507	99,676	13,808	51	62	0	744,134

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF ATLANTIC BRANT HARVESTS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	0	0	545	0	0	0	0	0	0	0	545
1976	0	0	0	0	0	118	0	0	0	0	0	0	0	118
1977	0	0	0	3	0	0	0	0	0	0	0	0	0	3
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	423	90	0	0	0	0	0	0	0	513
1980	0	0	0	0	3,060	405	0	0	0	0	0	0	0	3,465
1981	0	0	0	0	0	615	0	0	0	0	0	0	0	615
1982	0	0	0	0	351	0	0	0	0	0	0	0	0	351
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	778	0	0	0	550	639	0	637	0	31	0	0	0	2,635
1985	0	0	0	0	276	357	0	0	0	0	0	0	0	633
1986	97	0	0	0	596	646	0	0	0	0	0	0	0	1,339
1987	0	0	0	0	1,463	0	0	0	0	0	0	0	0	1,463
1988	0	0	0	0	0	283	0	0	0	0	0	0	0	283
1989	0	100	0	0	0	0	0	0	0	0	0	0	0	100
1990	0	0	0	0	0	307	0	0	0	0	0	0	0	307
1991	0	0	0	0	323	539	0	0	0	0	0	0	0	862
1992	0	0	0	0	1,566	0	0	0	0	0	0	0	0	1,566
1993	0	0	0	0	876	162	0	0	0	0	0	0	0	1,038
1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	195	0	0	0	0	0	0	0	0	195
1997	0	0	0	0	258	227	0	0	0	0	0	0	0	485
1998	0	0	0	0	183	430	0	0	0	0	0	0	0	613
1999	0	0	0	0	200	0	0	0	0	0	0	0	0	200
2000	0	0	0	0	114	487	0	0	0	0	0	0	0	601
2001	0	0	0	0	618	186	0	0	0	0	0	0	0	804
2002	0	0	0	0	404	231	0	0	0	0	0	0	0	635
2003	0	0	0	0	387	185	0	0	0	0	0	0	0	572
2004	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	92	94	0	0	0	0	0	0	0	186
2006*	0	0	0	0	128	0	0	0	0	0	0	0	0	128
2007*	0	0	0	0	524	133	0	0	0	0	0	0	0	657
2008*	0	0	0	0	1,014	51	0	0	0	0	0	0	0	1,065
2009*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011*	0	0	0	0	198	0	0	0	0	0	0	0	0	198
2012*	0	0	0	0	0	251	0	0	0	0	0	0	0	251
2013*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AVERAGES:														
1976-80	0	0	0	1	697	123	0	0	0	0	0	0	0	820
1981-85	156	0	0	0	235	322	0	127	0	6	0	0	0	847
1986-90	19	20	0	0	412	247	0	0	0	0	0	0	0	698
1991-95	0	0	0	0	553	140	0	0	0	0	0	0	0	693
1996-2000	0	0	0	0	190	229	0	0	0	0	0	0	0	419
2001-05	0	0	0	0	300	139	0	0	0	0	0	0	0	439
2006-10	0	0	0	0	333	37	0	0	0	0	0	0	0	370
2011-15	0	0	0	0	40	50	0	0	0	0	0	0	0	90

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF LESSER SNOW GOOSE HARVESTS IN CANADA

YEAR	NFL	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	5,578	15,742	51,708	12,692	16,339	2,972	324	0		105,355
1976	0	0	0	192	11,519	31,449	20,721	30,741	1,102	177	0		95,901
1977	0	0	0	19,653	8,000	31,850	12,151	30,731	576	0	0		102,961
1978	0	30	0	542	6,201	39,770	11,619	16,819	401	0	0		75,382
1979	0	0	0	5,379	10,576	99,151	12,981	10,752	1,917	552	0		141,308
1980	0	50	0	12,762	8,710	91,968	16,172	9,498	1,725	0	0		140,885
1981	0	0	0	408	6,576	88,124	15,339	13,780	3,378	0	0		127,605
1982	0	0	0	1,712	2,666	82,094	22,845	6,010	2,666	0	0		117,993
1983	0	0	0	45,351	1,820	82,602	33,377	6,802	0	0	0		169,952
1984	0	0	0	2,503	1,205	76,472	31,919	8,265	2,700	0	0		123,064
1985	0	49	0	497	1,913	105,719	33,311	11,362	3,972	0	0		156,823
1986	0	0	0	0	2,335	49,587	32,129	9,679	0	0	0		93,730
1987	0	0	0	19,137	6,169	70,849	22,976	3,980	2,329	0	0		125,440
1988	0	0	0	3,864	2,231	71,733	24,321	9,583	1,556	0	0		113,288
1989	0	0	0	1,169	5,654	92,720	27,321	11,274	926	0	0		139,064
1990	0	0	448	2,293	2,742	54,027	32,541	10,504	137	339	407		103,438
1991	0	0	0	2,645	2,799	66,254	22,224	5,600	2,619	0	0		102,141
1992	0	0	58	592	590	26,778	21,240	9,123	467	0	0		58,848
1993	0	0	0	7,641	2,543	51,301	19,674	5,303	2,094	0	0		88,556
1994	0	0	0	5,855	657	56,221	30,258	6,987	2,174	105	0		102,257
1995	0	0	0	855	1,286	61,603	31,323	8,680	1,589	306	0		105,642
1996	0	0	0	3,486	1,028	46,163	34,546	4,185	2,863	0	0		92,271
1997	0	0	0	8,853	336	69,683	62,635	9,261	0	0	0		150,768
1998	0	0	16	16,732	954	52,121	68,985	14,890	1,797	0	0		155,495
1999	0	0	0	6,747	115	14,150	116,313	15,416	1,990	0	0		154,731
2000	0	0	0	5,686	1,350	31,699	68,377	12,881	2,559	0	128	45	122,725
2001	0	0	0	4,427	982	25,335	100,525	13,367	2,354	0	0	0	146,990
2002	0	0	0	2,699	697	24,252	85,933	9,612	2,536	0	0	0	125,729
2003	0	0	0	3,941	901	26,970	108,457	10,539	1,312	0	0	0	152,120
2004	0	0	0	82	642	23,158	76,709	3,654	1,188	0	0	0	105,433
2005	0	0	0	1,122	391	14,039	82,143	6,207	6,906	0	0	0	110,808
2006*	131	0	0	1,349	1,122	31,936	116,278	11,430	3,170	0	0	0	165,416
2007*	0	0	0	703	254	19,452	66,934	14,976	4,626	0	0	0	106,945
2008*	0	0	0	1,678	70	31,601	112,986	9,570	2,406	0	0	0	158,311
2009*	0	0	0	730	311	9,123	80,753	11,613	1,316	0	0	0	103,846
2010*	0	0	0	1,373	427	12,017	77,568	15,349	852	0	0	0	107,586
2011*	0	0	0	852	198	12,719	85,848	14,970	0	0	0	0	114,587
2012*	0	0	0	1,899	1,061	10,864	95,611	7,286	2,110	0	0	0	118,831
2013*	0	0	0	1,381	951	6,703	127,835	29,213	1,559	0	0	0	167,642
2014*	0	0	1,438	1,415	0	14,307	121,091	47,255	835	0	0	0	186,341
2015*	0	0	0	303	291	1,010	68,341	22,075	762	0	0	0	92,782
AVERAGES:													
1976-80	0	16	0	7,706	9,001	58,838	14,729	19,708	1,144	146	0		111,287
1981-85	0	10	0	10,094	2,836	87,002	27,358	9,244	2,543	0	0		139,087
1986-90	0	0	90	5,293	3,826	67,783	27,858	9,004	990	68	81		114,992
1991-95	0	0	12	3,518	1,575	52,431	24,944	7,139	1,789	82	0		91,489
1996-2000	0	0	3	8,301	757	42,763	70,171	11,327	1,842	0	26	45	135,198
2001-05	0	0	0	2,454	723	22,751	90,753	8,676	2,859	0	0	0	128,216
2006-10	26	0	0	1,167	437	20,826	90,904	12,588	2,474	0	0	0	128,421
2011-15	0	0	288	1,170	500	9,121	99,745	24,160	1,053	0	0	0	136,037

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** Represents the new (2000) province/territory of Nunavut.

ESTIMATES OF GREATER SNOW GOOSE HARVESTS IN CANADA

YEAR	NFL	NS	NB	QUE	ONT	MAN	SK	ALB	BC	NWT	YUK	NUN**	CAN TOTAL
1975	0	0	0	30,708	0	154	0	0	0	0	0	0	30,862
1976	0	0	0	27,854	108	0	0	0	0	0	0	0	27,962
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	41,748	1,263	0	276	295	0	0	0	0	43,582
1979	0	0	0	23,619	0	0	0	0	0	0	0	0	23,619
1980	0	0	0	55,847	151	0	0	0	0	0	0	0	55,998
1981	0	25	0	24,170	110	0	0	0	0	0	0	0	24,305
1982	0	47	0	40,462	655	148	352	0	0	0	0	0	41,664
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	166	0	0	44,983	589	3,111	784	0	0	0	0	0	49,633
1985	0	0	0	24,370	0	0	0	0	0	0	0	0	24,370
1986	0	0	72	10,536	0	0	0	0	0	0	0	0	10,608
1987	0	0	0	756	0	0	0	0	0	0	0	0	756
1988	0	0	0	41,365	0	0	93	0	0	0	0	0	41,458
1989	0	0	0	43,529	249	0	0	0	0	0	0	0	43,778
1990	287	0	0	60,647	0	0	0	204	0	0	0	0	61,138
1991	0	0	0	47,697	0	724	0	0	0	0	0	0	48,421
1992	0	0	295	26,984	926	759	215	0	0	0	0	0	29,179
1993	0	0	0	97,534	429	1,938	2,282	0	0	0	0	0	102,183
1994	0	0	0	35,903	112	0	0	0	0	0	0	0	36,015
1995	0	21	0	50,267	252	391	0	0	0	0	0	0	50,931
1996	60	62	1,859	66,111	111	115	0	0	0	0	0	0	68,318
1997	0	0	0	55,056	164	0	0	0	0	0	0	0	55,220
1998	0	90	412	86,791	64	0	0	118	0	0	0	0	87,475
1999	0	0	774	36,821	105	0	0	86	0	0	0	0	37,786
2000	0	0	0	103,615	0	0	554	334	0	0	0	0	104,503
2001	0	0	0	94,011	0	0	0	68	0	0	0	0	94,079
2002	0	0	225	45,890	0	0	531	220	0	0	0	0	46,866
2003	0	0	0	86,028	111	0	213	0	73	0	0	0	86,425
2004	0	0	433	66,326	1,394	0	1,610	83	0	0	0	0	69,846
2005	0	0	42	67,245	0	0	0	0	0	0	0	0	67,287
2006*	0	135	0	73,585	331	0	0	364	0	0	0	0	74,415
2007*	0	0	578	61,652	0	0	0	0	0	0	0	0	62,230
2008*	0	75	209	114,776	51	233	5,322	0	0	0	0	0	120,666
2009*	0	257	0	50,535	661	0	0	0	0	0	0	0	51,453
2010*	0	0	0	52,166	300	0	1,430	0	0	0	0	0	53,896
2011*	0	0	0	96,144	1,699	0	0	0	0	0	0	0	97,843
2012*	0	0	0	66,858	0	0	0	0	0	0	0	0	66,858
2013*	0	0	0	57,210	67	0	0	0	0	0	0	0	57,277
2014*	0	0	0	89,125	0	0	0	0	0	0	0	0	89,125
2015*	0	0	0	51,363	0	0	0	0	0	0	0	0	51,363
AVERAGES:													
1976-80	0	0	0	29,814	304	0	55	59	0	0	0	0	30,232
1981-85	33	14	0	26,797	271	652	227	0	0	0	0	0	27,994
1986-90	57	0	14	31,367	50	0	19	41	0	0	0	0	31,548
1991-95	0	4	59	51,677	344	762	499	0	0	0	0	0	53,346
1996-2000	12	30	609	69,679	89	23	111	108	0	0	0	0	70,660
2001-05	0	0	140	71,900	301	0	471	74	15	0	0	0	72,901
2006-10	0	93	157	70,543	269	47	1,350	73	0	0	0	0	72,532
2011-15	0	0	0	72,140	353	0	0	0	0	0	0	0	72,493

*PRELIMINARY C:\Data book\Canada\Harvest estimates\Geese.xls

** Represents the new (2000) province/territory of Nunavut.

HARVEST AGE RATIOS (IMM./AD.) FOR BLACK DUCKS IN CANADA

YEAR	NFL	PEI	NS	NB	QUE	ONT	CAN TOTAL*
1974	3.67	3.98	4.22	5.36	5.40	4.41	4.71
1975	9.75	3.40	4.23	7.86	6.43	10.88	6.20
1976	4.74	5.75	5.88	7.64	7.68	5.02	6.09
1977	8.75	4.08	4.61	8.44	11.71	6.83	6.58
1978	9.15	3.87	5.15	5.30	6.91	5.02	5.38
1979	6.62	4.80	6.28	5.81	8.72	6.06	6.59
1980	7.00	4.08	3.94	5.61	7.03	5.12	5.20
1981	5.67	3.91	5.86	9.33	4.13	3.70	5.01
1982	4.89	3.74	5.42	3.26	4.92	3.66	4.48
1983	4.52	4.27	5.27	6.11	7.49	4.52	5.59
1984	5.67	3.95	4.20	5.77	6.13	5.66	4.97
1985	6.11	3.71	4.47	6.59	7.14	6.44	5.86
1986	8.15	4.16	4.23	3.75	3.63	2.65	3.70
1987	2.85	4.68	3.55	5.11	5.86	4.05	4.52
1988	4.63	5.86	3.12	4.63	5.73	2.96	4.03
1989	5.92	3.50	3.24	4.51	4.92	2.46	3.96
1990	3.57	1.60	4.04	4.15	2.83	2.42	3.10
1991	3.74	2.55	3.91	3.28	4.51	4.64	4.07
1992	4.37	2.28	2.59	3.59	3.10	2.83	3.00
1993	5.47	2.88	3.27	4.29	5.32	3.05	4.17
1994	7.07	6.07	8.22	12.60	5.66	5.08	7.22
1995	4.75	6.06	5.40	6.33	4.96	4.66	5.33
1996	6.11	3.44	3.58	4.04	3.13	2.49	3.46
1997	7.15	4.20	4.78	5.12	5.00	6.61	5.38
1998	5.26	1.63	4.97	4.73	5.08	5.36	4.94
1999	3.36	1.54	2.91	2.41	2.90	4.06	3.00
2000	4.16	1.64	2.78	2.51	2.34	2.20	2.57
2001	3.83	IS**	4.02	3.94	4.07	4.15	3.99
2002	6.14	3.44	2.46	3.78	3.33	2.70	3.19
2003	10.77	6.38	3.44	3.40	3.73	7.07	4.06
2004	5.94	1.57	3.89	2.88	2.96	2.26	3.00
2005	4.89	3.25	3.54	4.65	3.29	3.06	3.61
2006	3.94	2.71	3.27	4.45	3.98	3.50	3.73
2007	8.27	3.62	2.93	4.21	3.53	2.23	3.46
2008	6.39	2.03	3.22	2.67	4.65	2.86	3.44
2009	6.25	1.79	2.77	2.31	6.33	3.36	3.60
2010	6.12	1.85	4.30	5.20	5.46	6.76	4.92
2011	6.67	0.50	2.54	4.00	3.19	2.16	2.88
2012	3.41	2.31	2.14	2.94	4.39	4.13	3.21
2013	3.64	1.35	1.43	2.29	3.16	3.31	2.19
2014	2.27	7.00	2.56	2.49	2.52	1.91	2.35
2015	3.00	**	2.79	4.05	2.96	2.60	3.52
AVERAGES:							
1974-75	6.71	3.69	4.23	6.61	5.91	7.64	5.45
1976-80	7.25	4.52	5.17	6.56	8.41	5.61	5.97
1981-85	5.37	3.92	5.04	6.21	5.96	4.80	5.18
1986-90	5.02	3.96	3.64	4.43	4.59	2.91	3.86
1991-95	5.08	3.96	4.68	6.02	4.71	4.05	4.76
1996-2000	5.21	2.49	3.80	3.76	3.69	4.14	3.87
2001-05	6.31	3.66	3.47	3.73	3.47	3.85	3.57
2006-10	6.19	2.40	3.30	3.77	4.79	3.74	3.83
2011-15	3.80	2.79	2.29	3.15	3.24	2.82	2.83

* Total of these 6 provinces. Harvest from west of Ontario not included

** Insufficient sample

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Sheet: Sheet1

Estimated mourning dove harvest in the Eastern Management Unit, 2003-2015.																				
Year	RJ	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	2,100	306,600	17,900	38,800	172,100	255,400	762,500	526,000	730,800	333,300	877,100	361,500	308,000	555,700	737,300	767,300	348,700	977,400	8,078,500	
2004	3,100	296,100	15,300	54,900	176,400	347,700	215,900	663,700	963,400	255,000	97,300	890,600	291,700	325,400	593,500	780,800	388,600	627,600	724,900	7,712,000
2005	900	430,300	22,300	54,200	241,700	424,400	741,800	1,447,700	757,200	341,800	180,600	798,800	371,900	488,800	703,100	633,200	445,900	455,900	1,252,600	9,793,000
2006	500	372,200	14,600	39,400	162,700	304,200	861,500	696,200	851,500	298,800	100,900	948,700	190,500	284,400	491,300	656,100	373,700	492,800	1,015,300	8,155,400
2007	2,000	509,100	20,200	50,900	212,900	418,100	854,000	865,900	1,107,500	372,600	202,000	912,300	258,400	307,700	278,100	682,700	412,900	612,000	829,300	8,908,400
2008	4,400	340,900	16,900	33,800	151,800	333,600	757,900	844,500	718,700	516,500	122,300	683,100	255,700	205,900	369,400	798,200	188,200	452,400	877,400	7,671,800
2009	20	18,800	15,600	36,300	174,500	305,500	581,100	885,700	857,200	292,500	74,900	659,600	243,200	295,800	451,300	619,800	482,700	361,500	1,113,500	7,639,200
2010	<50	226,500	24,500	42,300	113,900	299,000	686,900	998,700	1,053,900	321,200	99,400	464,400	185,700	221,500	357,100	530,600	303,000	514,300	1,022,900	7,473,500
2011		158,800	7,800	14,700	92,600	245,900	719,800	701,900	1,154,700	245,700	67,000	467,700	216,900	174,900	380,700	306,700	471,100	443,400	796,400	6,666,900
2012	500	203,200	10,300	39,900	94,300	295,900	1,020,600	554,600	735,700	175,100	73,200	372,700	263,300	136,000	511,800	464,400	354,100	286,900	687,100	6,279,900
2013	1,300	250,700	15,000	33,100	85,000	251,500	555,200	372,200	851,600	200,700	72,800	426,600	160,100	371,600	632,900	474,500	625,400	336,200	634,200	6,350,600
2014	1,200	147,200	7,000	13,600	86,500	160,700	626,100	681,500	661,600	155,400	51,100	380,800	147,500	168,800	255,000	413,000	172,200	293,400	467,200	4,889,800
2015	1,100	119,200	13,700	24,900	63,100	229,500	734,300	548,600	725,700	141,900	60,400	283,600	93,600	131,200	286,500	288,400	214,100	257,100	428,000	4,644,900

All estimates are preliminary C:\Data Book\Webless species\Mourning doves.xls Sheet: EMU

Estimated numbers of mourning dove hunters in the Eastern Management Unit, 2003-2015.																				
Year	RJ	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	200	28,400	1,400	2,200	12,100	21,200	59,800	30,900	41,200	18,100	35,300	15,400	20,900	33,500	38,600	41,300	17,200	49,000	43,800	
2004	300	26,000	1,400	3,000	11,100	22,700	20,600	32,200	47,300	15,500	17,700	39,400	14,100	17,000	27,500	35,000	26,700	32,400	43,800	
2005	300	40,900	1,800	3,000	10,800	26,500	46,000	65,100	39,200	19,200	15,600	37,600	18,400	19,100	29,700	36,900	23,800	24,100	63,200	
2006	100	31,600	1,100	2,400	9,300	20,400	40,400	36,200	38,600	15,900	11,200	40,500	13,200	14,300	20,700	37,800	22,700	23,000	56,300	
2007	300	37,500	1,800	2,600	11,800	26,500	50,900	43,400	37,900	21,600	13,600	41,400	15,000	17,500	10,600	33,000	24,600	30,100	48,500	
2008	300	30,700	1,400	2,000	9,300	17,300	43,800	39,900	36,100	20,300	10,500	31,600	14,300	13,500	18,700	37,500	17,200	17,300	42,300	
2009	60	18,100	1,300	1,800	9,100	20,900	40,300	42,600	48,500	18,100	9,500	28,400	13,200	16,700	21,400	41,100	25,000	19,800	61,800	
2010	400	19,900	1,400	2,200	7,600	23,200	44,300	43,100	47,100	12,800	9,100	28,900	10,000	12,700	20,100	31,500	18,000	22,400	48,600	
2011	<50	13,500	700	1,400	6,400	16,400	49,700	35,700	53,800	13,700	8,800	25,400	10,000	14,200	18,500	21,400	25,500	20,800	42,600	
2012	100	18,000	1,000	2,400	6,200	19,900	62,100	25,100	35,600	10,700	8,900	20,500	14,100	8,600	21,500	27,000	17,800	11,800	38,500	
2013	200	17,700	1,300	1,800	6,000	16,900	43,500	20,400	47,600	10,900	9,000	24,400	7,700	19,900	29,500	27,400	24,800	17,200	36,800	
2014	90	19,700	500	1,100	6,000	15,600	39,800	30,000	39,700	9,300	7,500	20,200	7,300	12,000	14,200	27,600	15,200	13,800	30,600	310,200
2015	253	17,800	1,500	1,300	5,200	17,300	48,700	27,900	41,800	7,000	7,100	18,400	7,900	8,600	15,200	12,000	16,400	16,200	26,700	297,000

All estimates are preliminary C:\Data Book\Webless species\Mourning doves.xls Sheet: EMU

Estimated seasonal mourning dove harvest per hunter in the Eastern Management Unit, 2003-2015.																				
Year	RJ	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	10.3	10.8	12.6	17.3	14.2	12.0	12.8	17.0	17.7	18.4	24.8	23.5	14.7	16.6	19.1	18.6	20.3	20.0		
2004	10.8	11.4	11.1	18.4	15.8	15.3	10.5	20.6	20.4	16.4	5.5	22.6	20.8	19.2	21.6	22.3	14.6	19.4	16.6	
2005	3.1	10.5	12.2	17.8	22.3	16.0	16.1	22.2	19.3	17.8	11.6	21.2	20.3	25.6	23.7	17.2	18.8	19.0	19.8	
2006	5.3	11.8	13.5	16.1	17.6	14.9	21.3	19.2	22.1	18.8	9.0	23.4	14.5	19.9	23.8	17.3	16.5	21.5	18.0	
2007	8.0	13.6	11.0	19.4	18.0	15.8	16.8	20.0	29.2	17.3	14.9	22.0	17.2	17.6	26.2	20.7	16.8	20.4	17.1	
2008	13.4	11.1	12.0	16.7	16.3	19.3	17.3	21.2	19.9	25.4	11.6	21.6	17.9	15.3	19.8	21.3	11.0	26.1	20.7	
2009	0.3	10.4	11.9	19.7	19.2	14.6	14.4	20.8	17.7	16.1	7.9	23.2	18.4	17.7	21.1	15.1	19.3	18.3	18.0	
2010	20.9	11.4	17.6	18.9	15.1	12.9	15.5	23.2	22.4	25.2	10.9	16.1	18.5	17.5	17.7	16.8	16.8	23.0	21.0	
2011	3.0	11.7	11.0	10.3	14.4	15.0	14.5	19.7	21.5	17.9	7.6	18.4	21.7	12.4	20.6	14.3	18.5	21.4	18.7	
2012	7.9	11.3	10.7	16.5	15.1	14.9	16.4	22.1	20.7	16.4	8.3	18.2	18.7	15.8	23.8	17.2	19.9	24.3	17.8	
2013	6.9	14.2	11.5	18.1	14.2	14.8	12.8	18.2	17.9	18.4	8.1	17.5	20.8	18.6	21.5	17.4	25.2	19.5	17.2	
2014	13	7.5	13.5	12.8	14.5	10.3	15.7	22.7	16.7	16.7	6.8	18.9	20.1	14	17.9	15	11.4	21.2	15.3	
2015	4.3	6.7	9.3	19.5	12.1	13.2	15.1	19.7	17.3	20.3	8.5	15.4	11.9	15.3	18.9	24	13.1	15.9	16.1	

All estimates are preliminary C:\Data Book\Webless species\Mourning doves.xls Sheet: EMU

Estimated mourning dove hunter days in the Eastern Management Unit, 2003-2015.																				
Year	RJ	PA	WV	DE	MD	VA	NC	SC	GA	FL	WI	IL	IN	OH	KY	TN	LA	MS	AL	EMU
2003	1,000	104,700	4,100	6,600	34,600	52,200	128,500	100,500	131,300	65,200	114,900	57,000	73,000	79,600	173,700	149,800	41,200	138,900	1,456,900	
2004	900	112,100	4,600	11,700	46,900	58,000	41,800	107,100	146,600	55,200	77,500	123,900	46,400	74,900	78,400	90,400	82,400	89,800	124,800	1,373,400
2005	1,100	160,000	5,600	8,700	41,900	76,900	130,400	222,400	116,500	63,000	62,700	121,300	66,600	85,700	89,400	93,900	88,400	66,400	168,800	1,669,800
2006	600	113,700	2,700	7,000	29,500	52,500	125,500	118,500	120,200	53,600	40,100	129,200	40,200	70,000	64,000	101,000	65,800	60,100	141,800	1,336,000
2007	1,100	159,000	4,300	8,100	36,600	78,600	144,800	139,400	145,600	66,000	61,600	137,200	46,000	60,600	34,100	85,500	63,700	82,000	127,500	1,481,700
2008	2,000	129,900	3,700	5,700	28,400	59,000	112,900	140,900	102,300	94,800	40,600	97,000	38,500	61,600	43,700	103,000	38,400	53,800	113,500	1,269,500
2009	80	71,000	2,700	5,700	26,900	57,500	100,000	125,900	119,000	53,900	33,800	102,900	40,300	75,500	62,800	90,800	77,700	47,400	152,200	1,245,700
2010	1,400	69,600	4,600	6,400	20,800	55,300	111,700	138,300	148,600	48,200	39,800	89,300	29,600	45,900	43,400	83,400	46,300	57,400	127,100	1,167,100
2011	200	53,600	1,400	3,300	16,600	46,400	142,300	100,900	148,600	37,200	24,200	77,000	37,500	55,800	61,700	44,800	69,400	52,200	108,300	1,095,200
2012	400	60,200	1,900	7,200	16,800	45,100	148,000	81,900	94,600	48,500	32,700	62,700	40,700	33,500	61,100	71,300	60,400	32,300	116,400	1,015,600
2013	500	60,300	2,300	4,500	16,500	40,600	93,800	68,800	125,000	31,900	33,600	67,200	24,400	65,600	82,300	64,200	74,700	40,500	91,400	987,900
2014	400	57,600																		

Estimated mourning dove harvest in the United States, 2003-2015.				
Year	EMU	CMU	WMU	US
2003	8,078,500	7,714,600	2,420,100	18,213,200
2004	7,712,000	9,807,700	2,470,600	19,990,200
2005	9,793,000	9,891,400	2,465,500	22,149,900
2006	8,155,400	8,887,000	2,202,900	19,245,300
2007	8,908,400	9,180,200	2,461,500	20,550,000
2008	7,671,800	7,520,000	2,210,700	17,402,400
2009	7,639,200	7,474,600	2,241,000	17,354,800
2010	7,473,500	7,194,900	2,562,000	17,230,400
2011	6,666,900	7,657,700	2,256,300	16,580,900
2012	6,279,900	6,361,600	1,849,400	14,490,800
2013	6,350,600	6,236,000	1,943,300	14,529,800
2014	4,889,800	7,654,700	1,265,000	13,809,500
2015	4,644,900	7,180,300	1,332,200	13,157,300

All estimates are preliminary

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Sheet:

US

Estimated mourning dove hunter days in the United States, 2003-2015.				
Year	EMU	CMU	WMU	US
2003	1,456,900	1,442,600	459,700	3,359,100
2004	1,373,400	1,844,300	476,200	3,693,800
2005	1,669,800	1,729,800	446,200	3,845,700
2006	1,336,000	1,605,900	458,800	3,400,700
2007	1,481,700	1,803,900	487,300	3,772,900
2008	1,269,500	1,497,000	462,200	3,192,700
2009	1,245,700	1,312,700	428,900	2,987,300
2010	1,167,100	1,362,300	494,700	3,024,100
2011	1,095,200	1,444,800	465,700	3,005,700
2012	1,015,600	1,108,700	413,700	2,538,000
2013	987,900	1,185,300	399,800	2,572,900
2014	791,300	1,333,600	261,800	2,386,700
2015	780,400	1,235,000	226,500	2,241,900

All estimates are preliminary

C:\Data Book\Webless species\Mourning doves.xls

Sheet:

US

Estimated American woodcock harvest in the Eastern Management Region, 2003-2015.																		
Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	31,000	2,700	3,900	4,000	2,400	100	14,500	8,400	400	4,000	400	3,500	4,700	4,700	1,800	1,900	900	89,200
2004	27,000	4,200	9,700	6,600	5,000	1,300	17,500	37,000	1,300	3,400	2,200	2,500	4,500	700	2,500	7,100	3,100	135,400
2005	9,100	6,500	5,200	2,300	4,000	200	10,700	19,200	1,000	2,400	300	500	4,100	1,800	3,000	1,800	300	72,200
2006	15,600	2,400	5,900	3,100	3,500	0	10,200	18,400	900	1,400	300	2,000	3,100	4,600	6,100	500	200	78,000
2007	13,700	2,000	5,400	2,100	1,700	200	9,800	11,100	1,700	1,600	1,600	400	2,600	7,500	1,200	7,800	5,600	75,900
2008	18,800	6,300	5,600	2,300	1,600	100	10,000	19,200	500	1,600	400	2,400	1,600	9,100	7,300	10,000	7,900	104,700
2009	8,400	1,500	8,400	2,400	1,000	600	7,700	7,400	600	3,400	200	600	1,600	9,300	1,400	0	8,700	63,300
2010	31,700	6,200	9,500	2,600	700	400	12,000	12,800	500	3,800	900	2,000	1,100	3,400	1,700	10,300	200	99,800
2011	11,900	5,200	7,500	4,000	1,800	100	11,600	14,200	500	1,900	500	2,100	2,500	5,900	1,000	6,000	300	77,000
2012	9,600	3,000	3,800	1,900	1,700	300	8,400	13,500	2,000	3,100	800	2,400	1,200	13,400	7,900	800	12,600	86,400
2013	5,800	4,100	8,000	2,400	1,200	300	11,700	8,200	300	7,400	200	1,900	5,700	1,400	2,100	800	1,000	62,500
2014	10,400	3,000	5,600	2,100	1,000	400	8,400	6,600	200	3,600	100	500	1,900	8,200	4,400	1,900	500	58,600
2015	4,700	3,400	9,100	1,800	700	100	8,600	5,400	700	4,700	100	1,100	3,200	7,100	1,900	1,700	-	54,500

All estimates are preliminary C:\Data Book\Webless species\Woodcock.xls Sheet: EMR

Estimated numbers of American woodcock hunters in the Eastern Management Region, 2003-2015.																		
Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	6,600	800	1,900	1,200	1,400	100	5,700	9,500	200	1,000	400	1,600	3,000	900	2,100	400	800	
2004	4,300	800	1,500	1,000	900	200	4,400	9,000	400	1,100	400	700	2,000	200	1,700	2,600	1,000	
2005	5,800	1,500	2,200	1,300	1,300	200	4,300	11,300	400	1,400	100	500	1,400	1,800	1,700	400	1,000	
2006	7,800	800	1,600	1,300	1,300	200	4,400	10,100	200	700	200	800	1,600	1,600	2,300	1,400	1,100	
2007	5,200	700	2,300	900	800	100	5,000	10,600	400	800	400	1,000	500	2,400	700	1,600	2,900	
2008	5,400	1,400	1,600	1,200	900	100	4,500	9,000	500	500	400	1,800	1,400	2,400	3,600	3,100	2,400	
2009	3,100	1,200	3,200	1,100	1,000	300	4,500	7,000	400	900	300	800	600	4,700	1,200	3,600	3,000	
2010	7,100	1,300	2,300	900	700	200	4,000	9,100	300	1,300	300	1,100	300	3,400	5,300	3,400	200	
2011	4,100	1,600	2,600	1,900	1,100	100	4,200	7,500	200	1,000	100	2,400	1,600	500	1,900	2,600	100	
2012	3,400	700	1,100	800	700	100	4,800	6,900	700	1,200	300	1,300	600	1,000	2,500	1,500	4,900	
2013	2,200	1,400	2,600	900	800	100	3,900	6,400	200	2,000	<50	1,200	2,200	1,900	3,000	800	1,800	
2014	2,300	1,200	1,700	1,100	600	200	4,700	5,000	300	400	200	1,100	1,400	3,200	3,800	3,700	<50	
2015	2,100	1,200	2,100	1,000	800	100	3,900	5,000	400	700	100	1,100	1,000	3,900	2,800	700	<50	27,000

All estimates are preliminary C:\Data Book\Webless species\Woodcock.xls Sheet: EMR

Estimated seasonal American woodcock harvest per hunter in the Eastern Management Region, 2003-2015.																		
Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	4.7	3.4	2.0	3.3	1.6	0.9	2.5	0.9	1.6	3.8	1.1	2.2	1.6	5.3	0.9	5.0	1.1	
2004	3.6	4.9	2.7	2.7	2.3	1.0	2.1	1.4	2.3	2.1	1.3	1.0	1.0	3.7	0.8	0.6	1.1	
2005	1.6	4.5	2.4	1.7	3.1	0.8	2.5	1.7	2.5	1.7	2.0	1.0	2.8	1.0	1.7	4.3	0.3	
2006	2.0	3.0	3.8	2.3	2.8	0.0	2.3	1.8	3.5	2.0	1.6	2.6	1.9	2.8	2.7	0.3	0.2	
2007	2.7	2.9	2.3	2.2	2.1	2.5	2.0	1.1	4.2	1.9	3.9	0.4	5.1	3.1	1.7	5.0	1.9	
2008	3.5	4.5	3.4	2.0	1.8	1.5	2.2	2.1	1.0	3.2	1.2	1.4	1.1	3.8	2.1	3.2	3.4	
2009	2.7	1.2	2.7	2.3	1.0	1.9	1.7	1.1	1.5	3.7	0.7	0.8	2.5	2.0	1.1	0.0	2.9	
2010	4.5	4.8	4.1	2.8	0.9	2.1	3	1.4	1.6	2.9	2.4	1.8	3.7	1	0.3	3	1	
2011	2.9	3.2	2.9	2.1	1.6	2.0	2.7	1.9	3.0	1.9	4.1	0.9	1.6	11.5	0.5	2.3	2.7	
2012	2.9	4.1	3.4	2.3	2.5	2.3	1.7	2.0	2.8	2.6	2.7	1.8	2.0	14.0	3.2	0.5	2.6	
2013	2.6	3.0	3.0	2.6	1.5	4.0	3.0	1.3	1.6	3.7	4.3	1.6	2.5	0.7	0.7	1.0	0.6	
2014	4.6	2.4	3.3	1.9	1.6	1.6	1.8	1.3	0.7	9.4	0.4	0.4	1.4	2.6	1.1	0.5	18.0	
2015	2.2	2.7	4.3	1.7	0.9	1.4	2.2	1.1	2.1	7.2	1.3	1	3.3	1.8	0.7	2.3	0	

All estimates are preliminary C:\Data Book\Webless species\Woodcock.xls Sheet: EMR

Estimated American woodcock hunter days in the Eastern Management Region, 2003-2015.																		
Year	ME	VT	NH	MA	CT	RI	NY	PA	WV	NJ	DE	MD	VA	NC	SC	GA	FL	EMR
2003	21,400	4,100	5,400	6,100	6,300	700	21,400	48,400	500	4,000	1,600	3,000	7,200	4,000	14,100	1,500	2,500	152,300
2004	27,000	4,200	9,700	6,600	5,000	1,300	17,500	37,000	1,300	3,400	2,200	2,500	4,500	700	2,500	7,100	3,100	135,400
2005	25,200	10,000	10,600	7,100	6,800	800	16,700	56,800	1,500	4,900	200	1,400	11,800	2,100	3,900	2,500	1,800	164,200
2006	33,200	3,400	6,800	5,900	5,500	500	18,700	36,600	800	2,800	500	1,800	5,300	6,400	8,400	5,600	2,200	144,200
2007	22,600	3,000	11,500	5,000	3,200	100	23,100	41,100	1,500	3,400	1,700	2,700	2,400	11,200	1,500	6,200	4,800	145,000
2008	26,100	9,200	9,400	5,600	3,600	600	18,200	35,000	1,000	2,100	1,300	9,300	2,700	7,900	15,600	7,000	14,600	169,000
2009	22,100	7,500	17,000	6,600	5,100	1,000	17,700	32,500	2,300	3,900	700	1,900	3,300	27,000	3,900	10,800	14,800	178,000
2010	40,800	5,400	14,200	5,300	3,200	800	13,300	35,600	1,100	3,700	1,600	2,100	1,200	3,400	11,100	3,400	400	146,700
2011	30,500	8,300	15,000	8,500	5,300	500	19,200	34,400	600	2,600	800	4,800	4,500	7,300	3,000	10,300	300	156,000
2012	16,100	5,100	6,900	4,200	3,800	1,200	22,900	28,500	3,200	5,800	1,000	2,200	2,600	8,200	5,500	5,700	14,800	137,800
2013	8,800	8,600	13,000	4,800	3,600	400	15,300	29,600	600	11,000	200	2,000	11,300	8,200	13,000	2,500	3,800	136,700
2014	9,600	5,800	9,000	5,400	2,600	900	22,300	20,000	800	3,800	300	3,200	8,200	11,500	8,000	8,100	300	119,700
2015	9,000	6,000	14,800	6,600	3,900	200	18,300	17,700	1,200	4,300	300	2,300	3,200	10,100	13,900	3,400	100	115,500

All estimates are preliminary C:\Data Book\Webless species\Woodcock.xls Sheet: EMR

Estimated Woodcock harvest in the United States, 2003-2015.

Year	EMR	CMR	US
2003	89,200	213,500	302,600
2004	135,400	366,100	501,500
2005	72,200	225,000	297,200
2006	78,000	232,600	310,600
2007	75,900	214,200	290,000
2008	104,700	174,300	279,000
2009	63,300	175,100	238,400
2010	99,800	233,100	332,900
2011	77,000	231,700	308,700
2012	86,400	193,100	279,500
2013	62,500	180,600	243,100
2014	58,600	141,500	200,100
2015	54,500	145,700	200,200

All estimates are preliminary

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Sheet:

US

Estimated Woodcock hunter days in the United States, 2003-2015.

Year	EMR	CMR	US
2003	152,300	369,900	522,200
2004	135,400	366,100	501,500
2005	164,200	356,100	520,300
2006	144,200	344,300	488,500
2007	145,000	358,500	503,500
2008	169,000	369,800	538,800
2009	178,000	322,300	500,300
2010	146,700	392,400	539,100
2011	156,000	350,500	506,500
2012	137,800	276,900	414,700
2013	136,700	306,100	442,800
2014	119,700	227,600	347,400
2015	115,500	284,200	399,700

All estimates are preliminary

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Sheet:

US

Estimated Rail harvest in Virginia, New Jersey, and all of the Atlantic Flyway, 1999-2015.

Year	VA	NJ	Flyway-wide
1999	2,600	1,700	19,800
2000	1,800	1,300	4,600
2001	5,600	1,400	33,800
2002	5,300	2,200	12,000
2003	4,100	8,700	61,200
2004	4,300	1,600	16,200
2005	2,300	4,300	43,800
2006	4,000	700	14,700
2007	4,400	3,100	15,700
2008	9,700	3,700	33,100
2009	5,900	800	29,800
2010	5,800	2,300	15,500
2011	4,400	2,800	10,700
2012	3,700	3,500	14,800
2013	2,000	1,500	9,600
2014	4,100	400	8,200
2015	4,200	1,600	24,500

All estimates are preliminary C:\Data Book\Webless species\Rail.xls

Harvest

Estimated Common Snipe harvest in Florida and all of the Atlantic Flyway, 1999-2015.

Year	FL	Flyway-wide
1999	26,300	35,000
2000	1,100	5,400
2001	16,000	26,100
2002	24,100	27,500
2003	112,500	191,200
2004	22,600	45,700
2005	20,700	90,500
2006	23,500	33,700
2007	38,900	55,800
2008	35,600	46,500
2009	37,000	43,600
2010	32,100	54,000
2011	46,400	57,500
2012	10,600	25,700
2013	26,100	33,000
2014	44,300	55,200
2015	9,600	20,200

All estimates are preliminary C:\Data Book\Webless species\Rail.xls

Harvest