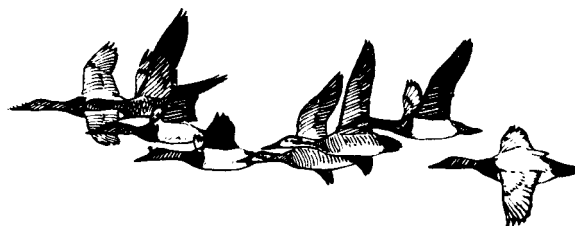


# Pacific Flyway Data Book 2016



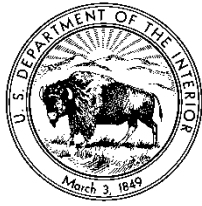
## Migratory Bird Population Indices, Harvest, and Hunter Participation and Success

*Compiled by:*

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Vancouver, Washington**

**November 9, 2016**





# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Division of Migratory Bird Management  
1211 SE Cardinal Court, Suite 100  
Vancouver, WA 98683



## MEMORANDUM

TO: Pacific Flyway Council and Study Committee

FROM: Todd A. Sanders, Pacific Flyway Representative

DATE: November 9, 2016

SUBJECT: 2016 Pacific Flyway Data Book

The following briefing material has been assembled for use by State and U. S. Fish and Wildlife Service personnel in formulating recommendations for migratory bird hunting seasons in the Pacific Flyway. This collection of population, harvest, and hunter participation data can also serve as a desk-top reference for providing responses to inquiries from agency personnel, the media, and the public. These data represent an extraordinary collaborative effort by many individuals from State, Federal, and other organizations. Thank you to all cooperators who have contributed toward this significant effort.

Harvest and hunter participation estimates for 2015-16 are preliminary. Final estimates from the Migratory Bird Harvest Information Program are only available through 2003 at present.

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Alaska Subsistence Bird Harvest, 2004–2014 Data Book is available online at:  
[http://www.adfg.alaska.gov/specialpubs/SP2\\_SP2015-005.pdf](http://www.adfg.alaska.gov/specialpubs/SP2_SP2015-005.pdf)

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Pacific Flyway schedule of council, committee, and subcommittee chair responsibilities; council representatives to the Service Regulations Committee (SRC) and National Flyway Council (NFC); and list of management plans, approval dates, and keepers of the plans.

Group/Mgt. Plan	Approvals	Keeper of the Plan	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Council, SC, and NTC Chair			NV	ID	WA	AZ	OR	CA	MT	AK	UT	NV	ID
Council SRC Consultants:			WA	OR	OR	OR	OR	AK	AK	AK	AK	CA	CA
Coastal			UT	UT	UT	ID	ID	ID	ID	NV	NV	NV	NV
Inland			OR	UT	UT	OR	OR	ID	ID	AK	AK	NV	NV
Council NFC Representative			OR	OR	OR	OR	OR	OR	ID	AK	AK	NV	NV
Geese:			OR	OR	OR	OR	OR	OR	ID	AK	AK	NV	NV
Aleutian Canada	Jul 99, Jul 06	CA	R-1	AK	AK	WA	WA	OR	OR	R-7	R-7	R-1	R-1
Cackling Canada	Jul 86, Jul 99	WA	WA	OR	OR	AK	AK	R-7	R-7	R-1	R-1	WA	WA
Dusky Canada	Jul 85, Jul 92, Aug 97, Mar 08, Jul 15	R-1	AK	R-1	R-1	WA	WA	R-7	R-7	OR	OR	AK	AK
Lesser (Tav/Parv)	Drafts 80, Jul 94	WA	ID	NV	NV	R-7	R-7	OR	OR	MT	MT	AK	AK
Vancouver Canada	Draft Sep 79	AK											
Pacific Canada	Jun 89, Jul 00	NV	MT	NV	NV	ID	ID	UT	UT	MT	MT	OR	OR
Rocky Mountain Canada	Mar 83, Mar 92, Jul 01	OR	CA	R-7	R-7	R-1	R-1	AK	AK	WA	WA	CA	CA
Pacific White-fronted	Mar 87, Jul 03	R-1	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Tule White-fronted	Jul 91	CA	R-7	R-7	R-7	CA	CA	AK	AK	WA	WA	CA	CA
Midcontinent White-fronted	Jul 81, Jul 92, Jul 02	WA	R-1	UT	UT	MT	MT	NV	NV	R-7	R-7	AZ	AZ
Pacific Brant	Jul 81, Jul 92, Jul 02	WA	R-1	UT	UT	MT	MT	NV	NV	R-7	R-7	AZ	AZ
Wrangel Island Snow	Mar 92, Jul 06	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Western Can. Arctic Snow	Jul 92, Jul 13	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Ross's	Jul 92	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Emperor	May 88, Jul 94, Jul 06	R-7	AK	R-7	R-7	AK	AK	R-7	R-7	AK	AK	R-7	R-7
Swans:			OR	AK	AK	R-7	R-7	WA	WA	R-1	R-1	OR	OR
Pacific Coast Trumpeter	Jul 86, Mar 93, Jul 06, Mar 08	OR	OR	AK	AK	R-7	R-7	WA	WA	R-1	R-1	OR	OR
Rocky Mountain Trumpeter	Jul 84, Jul 92, Jul 98, Jul 08, Jul 12	ID	MT	MT	ID	ID	ID	UT	UT	NV	NV	MT	MT
Western Tundra	Mar 83, Apr 89, Jul 01	UT	UT	MT	R-1	R-1	R-1	NV	NV	ID	ID	UT	UT
Eastern Tundra	Jun 82, May 88, Jul 98, Jul 07	--	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Sandhill Cranes:			AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Pacific Flyway Lesser	Mar 83	R-1	R-7	OR	OR	AK	AK	R-1	R-1	CA	CA	R-7	R-7
Central Valley Greater	Mar 83, Jul 95, Jul 97	R-1	AZ	UT	UT	MT	MT	ID	ID	AZ	AZ	R-2	R-2
Rocky Mt. Greater	Mar 87, Mar 91, Jul 97, Mar 07, Mar 16	AZ	AZ	R-2	R-2	NV	NV	ID	ID	CA	CA	AZ	AZ
Lower Colo. River Greater	Mar 83, May 89, Mar 95												
Midcontinent	Mar 06												
Doves and Pigeons													
PC Band-tailed Pigeon	Mar 83, Mar 94, Jul 10	DMBM	OR	R-1	R-1	CA	CA	WA	WA	OR	OR	R-1	R-1
Interior Band-tailed Pigeon	Mar 01	MT	UT	AZ	AZ	UT	UT	R-2	R-2	AZ	AZ	UT	UT
W/U Mourning Dove	Mar 92	AZ	ID	CA	CA	NV	NV	AZ	AZ	R-2	R-2	WA	WA
White-winged Dove	Jul 93, Mar 04												
Other:													
American White Pelican	Jul 12	ID	ID	UT	UT	UT	NV	NV	NV				
Double-Crested Cormorant	Jul 12	OR	OR	ID	ID	ID	WA	WA	WA				
Eagle		AZ	AZ	MT	MT	MT	AK	AK	NV	NV	CA	CA	NV

Abbreviations: R-1 is FWS Region 1, R-6 is FWS Region 6, R-7 is FWS Region 7, R-8 is FWS Region 8, and DMBM is FWS Division of Migratory Bird Management. Revised July 2016

Past chairs of Pacific Flyway Council, Study Committee (SC), Nongame Technical Committee (NTC), and Consultants to the U.S. Fish and Wildlife Service Regulations Committee (SRC). Council is represented at the SRC by one Coastal and one Inland council member serving staggered 4-year terms. Terms of office varied in the past and some substitutions were made. Prior to January 1, 2016, most terms began October 1 of the year elected through September 30 of the following year. After January 1, 2016, terms are calendar year. The Pacific Flyway Representative is provided for historical reference.

Year	Chairs				SRC Consultants				Pacific Flyway Representative
	State	Council	SC	NTC	State	Senior	State	Junior	
1952	California	Ben Glading			Washington	Carl Crouse	Utah	R.L. Turpin	John C. Chattin
1953	Nevada	Frank Groves			California	William Silva	Oregon	Phil Schneider	John C. Chattin
1954	Idaho	Ross Leonard			Oregon	Phil Schneider	Nevada	Frank Groves	John C. Chattin
1955	Arizona	John Hall			Nevada	Frank Groves	Washington	Dr. Bernard	John C. Chattin
1956	Utah	J. Perry Egan	Wesley Fleming (AZ)		Washington	John Biggs	Idaho	Ross Leonard	John C. Chattin
1957	Oregon	Phil Schneider	Chester Kebbe		Idaho	Ross Leonard	California	Weldon Oxley	John C. Chattin
1958	Washington	John Biggs			California	Tom Richards, Jr.	Arizona	Wendell Swank	John C. Chattin
1959	California	Wm. E. Warner			Arizona	Robert Smith	Oregon	Phil Schneider	John C. Chattin
1960	Nevada	Frank Groves			Oregon	Phil Schneider	Utah	Harold Crane	John C. Chattin
1961	Idaho	Ross Leonard	Don Smith (UT)		Utah	Harold Crane	Washington	John Biggs	John C. Chattin
1962	Arizona	Robert Smith	Vic Oglesby (NV)		Washington	John Biggs	Nevada	Frank Groves	John C. Chattin
1963	Oregon	Phil Schneider			Idaho	Robert Salter	California	Ben Glading	John C. Chattin
1964	Washington	John Biggs	J. Burton Lauckhart		California	Ben Glading	Nevada	Frank Groves	John C. Chattin
1965	California	Walter T. Shannon			Nevada	Frank Groves	Oregon	Phil Schneider	John C. Chattin
1966	Utah	John (Bud) Phelps			Oregon	Phil Schneider	Arizona	Wendell Swank	John C. Chattin
1967	Nevada	Frank Groves	John Nagel (UT)		Arizona	Robert Jantzen	Washington	John Biggs	John C. Chattin
1968	Idaho	John R. Woodward	Fred Wright (NV)		Washington	John Biggs	Utah	John Phelps	John C. Chattin
1969	Arizona	Robert Jantzen	Wesley Fleming		Utah	John Phelps	California	Ray Arnett	John C. Chattin
1970	Oregon	John McKean	Chester Kebbe		California	Ray Arnett	Idaho	Joe Greenley	John C. Chattin
1971	Washington	Carl Crouse	J. Burton Lauckhart		Idaho	Joe Greenley	Oregon	John McKean	John C. Chattin
1972	California	Ray Arnett	Frank Kozlik		Oregon	John McKean	Nevada	Frank Groves	John C. Chattin
1973	Utah	John Phelps	Dick Norell (ID)		Nevada	Glen Griffith	Washington	Carl Crouse	John C. Chattin
1974	Nevada	Glen Griffith	Al Regenthal (UT)		Washington	Carl Crouse	Arizona	Robert Jantzen	John C. Chattin
1975	Idaho	Joe Greenley	Larry Bamgrover (NV)		Arizona	Robert Jantzen	California	Chas. Fullerton	John C. Chattin
1976	Washington	Don Larson	Don Berlinski (AZ)		California	Chas. Fullerton	Utah	John Phelps	John C. Chattin
1977	Arizona	Robert Jantzen	Chester Kebbe (OR)		Utah	Don Smith	Oregon	Robert Mace	James C. Bartonek
1978	Oregon	Jack Donaldson	Robert Jeffrey (WA)		Oregon	Jack Donaldson	Idaho	Joe Greenley	James C. Bartonek
1979	California	Chas. Fullerton	Bob LeDonne		Idaho	Robert Salter	Washington	Ralph Larson	James C. Bartonek
1980	Alaska	Ronald Skoog	Dan Timm		California	Eldridge (Red) Hunt	Nevada	Joe Greenley	James C. Bartonek
1981	Utah	Douglas Day	Al Regenthal		Nevada	Joe Greenley	Washington	Frank Lockard	James C. Bartonek
1982	Nevada	Willie Molini	Terry Retterer		Washington	Frank Lockard	Arizona	Buddy Bristow	James C. Bartonek
1983	Idaho	Ken Norrie	Gary Will		Arizona	Buddy Bristow	Oregon	Jack Donaldson	James C. Bartonek
1984	Washington	Jack Wayland	Don Kraege		Oregon	Ralph Denney	Utah	Bill Geer	James C. Bartonek
1985	Arizona	Buddy Bristow	Phil Smith		Utah	Bill Geer	Alaska	Lew Pamplin	James C. Bartonek
1986	Oregon	Ralph Denney	Ken Durbin		Alaska	Lew Pamplin	Montana	Ron Marcoux	James C. Bartonek
1987	California	Peter Bontadelli	Dan Connelly		Montana	Ron Marcoux	California	Red Hunt	James C. Bartonek
1988	Montana	Ron Marcoux	Jeff Herbert		California	Red Hunt	Idaho	Ken Norrie	James C. Bartonek
1989	Alaska	Lew Pamplin	Tom Rothe		Idaho	Ken Norrie	Washington	Curt Smith	James C. Bartonek
1990	Wyoming	Jay Lawson	Tim Britt		Washington	Rich Poelker	Nevada	Willie Molini	James C. Bartonek
1991	Colorado	Perry Olson	Mike Szymczak		Nevada	Willie Molini	Oregon	Rod Ingram	James C. Bartonek
1992	Utah	Tim Provan	Tom Aldrich		Oregon	Rod Ingram	Wyoming	Jay Lawson	James C. Bartonek
1993	Idaho	Ken Norrie	Gary Will		Wyoming	Jay Lawson	Alaska	Wayne Regelin	James C. Bartonek
1994	Nevada	Willie Molini	Norm Saake		Alaska	Wayne Regelin	Colorado	Len Carpenter	James C. Bartonek
1995	Washington	J. David Brittell	Don Kraege		Colorado	Mike Szymczak	California	Terry Mansfield	James C. Bartonek
1996	Arizona	Duane Shroufe	Phil Smith		California	Terry Mansfield	Arizona	Duane Shroufe	Robert E. Trost
1997	Oregon	Jim Greer	Brad Bales		Arizona	Duane Shroufe	Washington	J. Dave Brittell	Robert E. Trost
1998	California	Terry Mansfield	Dan Yparraguirre		Washington	J. Dave Brittell	Montana	Don Childress	Robert E. Trost
1999	Montana	Don Childress	Tom Heinz		Montana	Don Childress	Oregon	Jim Greer	Robert E. Trost
2000	Alaska	Matt Robus	Tom Rothe		Oregon	Jim Greer	Utah	John Kimball	Robert E. Trost
2001	Wyoming	Jay Lawson	Steve Tessmann		Utah	John Kimball	Alaska	Matt Robus	Robert E. Trost
2002	Colorado	Walt Graul	Todd Sanders		Alaska	Matt Robus	Idaho	Steve Huffaker	Robert E. Trost
2003	Utah	Mile Moretti	Tom Aldrich		Idaho	Terry Mansfield	Alaska	Matt Robus (sub)	Robert E. Trost
2004	Nevada	Terry Crawforth	Craig Mortimore		California	Ryan Broddrick	Nevada	Terry Crawforth	Robert E. Trost
2005	Idaho	Terry Mansfield	Tom Hemker	Rex Sallabanks	Nevada	Terry Crawforth	Washington	J. Dave Brittell	Robert E. Trost
2006	Washington	J. David Brittell	Don Kraege	Joe Buchanan	Washington	J. Dave Brittell	Wyoming	Bill Rudd	Robert E. Trost
2007	Arizona	Duane Shroufe	Mike Rabe	Eric Gardner	Wyoming	Bill Rudd	Oregon	Ronald Anglin	Robert E. Trost
2008	Oregon	Ronald Anglin	Brad Bales	Peg Boulay	Oregon	Ronald Anglin	Colorado	Tom Remington	Robert E. Trost
2009	California	Sonke Mastrup	Dan Yparraguirre	Carie Battistone	Colorado	Tom Remington	Alaska	Dale Rabe	Robert E. Trost
2010	Montana	Ken McDonald	Rick Northrup	Catherine Wightman	Alaska	Dale Rabe	Arizona	Larry Voyles	Robert E. Trost
2011	Alaska	Dale Rabe	Dan Rosenberg	Mary Rabe	Arizona	Bob Broscheid	California	Sonke Mastrup	Robert E. Trost
2012	Wyoming	Tom Ryder	Joe Bohne	Susan Patla	California	Dan Yparraguirre	Montana	Ken McDonald	Robert E. Trost
2013	Utah	Mike Fowlks	Blair Stringham	Jim Parrish	Montana	Ken McDonald	Washington	Dave Brittell	Robert E. Trost
2014	Nevada	Tony Wasley	Russell Woolstenhulme	Cris Tomlinson	Washington	Greg Schirato	Utah	Mike Fowlks	Todd A. Sanders
2015	Idaho	Jeff Gould	Jeff Knetter	Colleen Moulton	Utah	Mike Fowlks	Oregon	Ronald Anglin	Todd A. Sanders
2016	Idaho	Jeff Gould	Jeff Knetter	Colleen Moulton	Utah	Mike Fowlks	Oregon	Ronald Anglin	Todd A. Sanders
2017	Washington	Eric Gardner	Kyle Spragens	Joe Buchanan	Utah	Mike Fowlks	Oregon	Ronald Anglin	Todd A. Sanders

**Active adult duck hunters by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	Total
1999	4,400	48,000	13,800	14,900	10,400	5,500	2,200	26,200	24,200	30,600	4,800	136,840	5,600	141,850	415,100	113,130	812,520
2000	4,100	44,700	14,000	12,500	9,000	4,800	3,100	25,900	19,700	29,400	4,300	117,140	6,000	141,830	418,460	110,910	794,340
2001	3,700	50,400	17,500	12,000	10,900	3,800	5,000	22,300	15,600	25,600	4,200	115,910	5,600	152,920	426,510	118,740	819,680
2002	4,200	46,200	12,200	14,500	14,900	3,900	4,800	21,200	17,300	23,300	4,400	112,970	6,000	129,031	400,460	116,230	764,691
2003	3,400	43,100	13,400	18,200	14,200	4,200	3,900	19,200	15,900	24,700	4,300	109,170	5,700	132,210	403,340	110,690	761,110
2004	3,700	52,900	13,600	17,100	14,400	3,500	3,300	18,500	16,400	22,400	3,400	117,720	4,800	132,700	385,730	97,990	738,940
2005	3,000	47,000	12,300	18,500	12,100	3,600	2,900	18,700	17,000	23,400	3,600	143,300	5,700	205,300	449,700	184,500	988,400
2006	3,800	46,400	12,400	18,400	12,900	4,000	2,400	24,700	17,100	20,500	4,000	148,000	5,100	190,900	463,700	176,500	984,200
2007	3,763	53,188	11,882	17,537	11,258	2,893	2,820	22,337	16,043	20,462	4,587	147,501	4,834	193,400	474,400	175,600	995,735
2008	3,333	58,134	13,750	19,952	12,553	2,618	2,552	23,602	16,648	20,888	3,630	157,728	5,178	178,284	466,351	172,963	980,504
2009	3,321	51,325	13,257	15,399	11,532	3,502	1,784	18,675	13,993	19,195	4,148	136,941	4,886	172,662	468,419	193,233	976,142
2010	3,351	55,470	9,094	16,883	10,157	3,622	2,617	19,510	15,944	21,022	3,326	145,960	7,946	163,341	469,810	183,100	970,202
2011	2,997	49,109	12,151	14,211	11,647	3,217	2,945	20,848	14,716	20,091	4,018	136,836	4,836	183,780	477,001	181,483	983,935
2012	2,572	51,901	11,081	16,202	13,533	3,860	3,328	18,544	17,503	23,761	3,412	147,896	4,501	178,983	472,271	192,083	995,743
2013	4,727	47,011	11,894	19,403	10,647	3,632	2,131	13,766	14,297	17,189	4,724	130,671	4,676	159,725	411,616	174,692	881,380
2014	2,981	43,045	12,977	18,959	17,522	2,728	5,363	18,304	16,877	21,346	3,464	141,762	5,084	207,938	433,085	173,584	961,452
2015	2,298	46,886	11,009	11,849	16,922	2,421	2,078	15,569	14,128	23,218	3,192	133,291	2,384	173,450	386,092	174,491	869,707
Averages:																	
Long Term	3,510	49,104	12,723	16,264	12,622	3,635	3,130	20,462	16,668	22,769	3,971	134,096	5,225	166,959	436,591	155,878	898,746
3-yr	3,335	45,647	11,960	16,737	15,031	2,927	3,191	15,880	15,101	20,584	3,793	135,241	4,048	180,371	410,264	174,255	904,180
% Change from:																	
Long Term	-35.9	-4.8	-14.2	-28.4	37.0	-34.7	-35.0	-25.0	-16.0	2.1	-20.6	-0.6	-55.9	4.1	-12.2	12.8	-3.4
3-yr	-31.1	2.7	-8.0	-29.2	12.6	-17.3	-34.9	-2.0	-6.4	12.8	-15.9	-1.4	-41.1	-3.8	-5.9	0.1	-3.8
2014	-22.9	8.9	-15.2	-37.5	-3.4	-11.2	-61.2	-14.9	-16.3	8.8	-7.9	-6.0	-53.1	-16.6	-10.9	0.5	-9.5

**Active adult goose hunters by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	Total
1999	1,900	28,800	15,300	20,500	10,700	3,100	1,700	18,900	12,900	16,800	3,300	113,600	2,700	189,400	352,400	119,300	777,400
2000	1,000	26,200	18,400	19,500	12,300	2,700	1,700	16,200	13,500	18,800	4,600	110,100	3,000	184,400	367,500	120,600	785,600
2001	1,700	30,700	16,800	14,900	10,600	2,900	3,400	12,900	10,900	14,600	3,700	99,300	2,500	194,900	358,800	164,100	819,600
2002	1,300	27,200	16,300	12,000	13,800	2,900	3,400	12,400	10,300	13,500	4,000	99,400	2,200	174,200	348,200	159,800	777,800
2003	1,000	38,000	15,900	15,400	14,000	2,500	2,500	11,400	10,800	15,400	4,300	--	2,200	--	--	--	--
2004	1,300	38,200	14,700	13,300	12,800	2,400	2,300	13,300	10,800	13,200	3,600	--	2,000	--	--	--	--
2005	800	32,300	14,600	16,000	9,700	2,500	2,000	11,500	10,800	15,000	4,000	--	1,700	--	--	--	--
2006	1,100	30,500	13,000	13,700	11,200	2,100	1,800	14,400	10,700	15,100	3,900	98,900	1,700	151,500	314,800	140,400	707,300
2007	1,300	33,300	14,600	11,200	11,900	1,600	1,700	11,900	10,100	13,400	3,900	94,700	1,900	158,600	297,700	151,100	704,100
2008	1,100	37,800	16,000	13,700	10,200	1,900	1,500	13,800	9,400	12,000	3,700	99,900	2,000	144,200	289,000	151,900	687,000
2009	1,100	33,400	15,200	11,100	12,100	2,400	1,000	10,100	8,500	12,900	3,600	91,600	2,000	123,400	281,700	145,200	643,900
2010	1,100	38,600	10,700	11,100	10,700	2,500	1,700	10,000	11,700	12,000	3,800	91,600	3,100	123,400	281,700	145,200	643,900
2011	1,400	33,900	12,000	12,800	8,900	2,100	2,500	12,100	8,900	12,700	3,700	97,800	2,100	129,000	261,800	137,300	629,000
2012	500	32,100	13,900	12,700	14,100	2,200	2,900	8,800	10,300	13,500	3,800	94,300	2,100	124,900	241,500	130,900	593,800
2013	1,600	29,800	14,300	15,600	6,600	1,900	2,000	7,500	7,800	10,200	4,600	80,900	1,800	129,200	223,400	126,500	561,900
2014	1,930	38,067	14,568	15,165	12,533	1,829	2,974	8,697	10,135	10,851	3,729	99,207	1,886	143,851	240,082	131,699	616,725
2015	1,210	28,721	12,240	9,441	12,221	1,605	1,328	9,000	8,699	13,343	3,209	84,240	1,086	116,933	250,204	130,927	583,390
Averages:																	
Long Term	1,255	32,799	14,618	14,006	11,433	2,302	2,200	11,935	10,367	13,723	3,849	96,825	2,116	149,135	293,485	139,638	680,815
3-yr	1,580	32,196	13,703	13,402	10,451	1,778	2,101	8,399	8,878	11,465	3,846	88,116	1,591	129,995	237,895	129,709	587,338
% Change from:																	
Long Term	-3.8	-13.1	-17.1	-33.9	7.4	-31.6	-41.1	-25.7	-16.9	-2.9	-17.5	-13.9	-50.2	-22.9	-15.7	-6.7	-15.2
3-yr	-23.4	-10.8	-10.7	-29.6	16.9	-9.7	-36.8	7.2	-2.0	16.4	-16.6	-4.4	-31.7	-10.0	5.2	0.9	-0.7
2014	-37.3	-24.6	-16.0	-37.7	-2.5	-12.2	-55.3	3.5	-14.2	23.0	-13.9	-15.1	-42.4	-18.7	4.2	-0.6	-5.4

**Days of hunting per active adult duck hunter by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	Total
1999	5.2	9.7	5.8	7.9	5.7	6.3	6.3	8.1	6.7	9.6	3.8	--	5.2	--	--	--	--
2000	4.7	9.3	5.8	7.2	6.3	6.4	8.0	7.3	6.6	8.1	6.2	--	5.7	--	--	--	--
2001	7.3	9.8	6.5	5.9	6.5	6.6	6.0	7.5	7.1	7.6	6.3	--	5.1	--	--	--	--
2002	6.3	9.5	5.6	6.1	5.4	7.5	7.0	8.1	6.4	7.8	6.0	--	5.7	--	--	--	--
2003	6.1	9.4	6.4	6.9	5.0	5.8	7.9	7.1	8.5	7.0	5.3	--	4.7	--	--	--	--
2004	5.7	10.5	6.3	6.2	5.0	5.7	7.8	6.8	7.1	7.3	9.2	--	4.7	--	--	--	--
2005	6.5	10.4	5.4	6.0	5.3	6.2	5.8	7.6	7.2	7.1	5.5	7.9	5.5	5.7	6.8	5.8	6.6
2006	5.8	11.2	5.2	6.1	4.7	5.8	6.5	9.6	7.0	8.7	5.6	8.6	4.9	5.6	7.3	5.9	6.9
2007	6.1	10.4	5.6	5.4	5.1	6.4	6.6	11.0	6.7	8.4	5.2	8.6	5.4	5.8	7.3	6.1	7.0
2008	5.0	10.2	5.3	6.1	4.5	5.8	5.8	10.1	6.4	7.5	5.2	8.3	5.0	5.3	7.3	5.8	6.8
2009	5.6	8.8	5.8	5.7	4.0	8.5	6.7	6.3	6.9	7.4	6.1	7.2	4.9	5.9	7.4	6.4	6.9
2010	5.4	10.8	5.6	5.0	4.9	6.6	6.1	8.3	7.3	6.3	5.6	8.1	4.6	5.5	7.2	5.9	6.8
2011	7.3	9.5	5.3	6.9	5.2	7.5	5.7	8.2	8.7	9.5	4.9	8.5	5.1	6.3	7.6	6.0	7.2
2012	8.0	10.7	5.2	7.4	5.2	5.8	5.1	7.9	7.4	8.2	6.1	8.5	5.7	6.4	7.4	5.7	7.1
2013	4.9	8.6	6.5	6.6	6.0	5.1	6.3	8.5	6.3	7.4	5.6	7.4	5.5	6.6	7.5	5.9	7.0
2014	4.7	7.2	5.2	6.0	4.6	5.5	5.4	6.9	5.9	7.2	5.3	6.4	4.0	5.5	6.9	5.3	6.2
2015	4.5	8.0	6.2	5.8	5.1	5.0	4.7	6.0	5.8	6.7	5.0	6.6	4.4	5.5	7.0	5.4	6.3
<b>Averages:</b>																	
Long Term	5.8	9.6	5.7	6.3	5.2	6.3	6.3	7.9	7.0	7.7	5.7	7.8	5.1	5.8	7.3	5.8	6.8
3-yr	4.7	7.9	5.9	6.1	5.2	5.2	5.5	7.1	6.0	7.1	5.3	6.8	4.6	5.8	7.1	5.6	6.5
<b>% Change from:</b>																	
Long Term	-24.1	-18.2	7.9	-8.9	-1.2	-20.7	-27.4	-25.6	-18.2	-14.2	-13.4	-16.8	-14.3	-6.6	-3.9	-7.5	-7.8
3-yr	-4.7	0.7	3.6	-5.7	-1.5	-3.7	-14.5	-15.8	-3.9	-5.4	-6.2	-3.0	-5.9	-6.4	-2.0	-2.1	-3.1
2014	-5.2	10.8	18.5	-4.4	13.1	-8.8	-12.9	-12.7	-2.0	-6.3	-6.2	3.0	8.1	0.4	1.7	2.4	1.7

**Days of hunting per active adult goose hunter by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	Total
1999	5.7	7.5	6.1	6.6	5.6	3.9	3.8	6.0	6.4	7.4	5.0	6.7	4.4	5.1	6.4	4.3	5.8
2000	4.7	7.9	6.1	5.6	6.6	5.0	6.1	6.0	6.0	5.7	5.7	6.4	4.7	5.4	6.1	4.3	5.7
2001	6.2	7.4	6.2	6.1	5.6	5.1	4.3	5.5	6.3	6.1	6.0	6.4	3.8	4.8	6.2	5.3	5.7
2002	5.9	7.8	5.6	6.2	4.8	4.5	5.8	6.0	6.4	4.6	5.6	5.8	4.7	4.8	6.7	5.3	5.9
2003	4.7	6.4	7.0	6.5	4.7	4.9	5.3	6.2	7.1	4.9	5.7	--	4.5	--	--	--	--
2004	6.4	7.1	6.3	6.6	4.8	4.4	5.0	6.2	6.4	5.0	6.9	--	4.8	--	--	--	--
2005	4.6	7.7	5.8	6.3	4.4	4.8	4.2	5.8	6.6	5.8	5.2	--	4.1	--	--	--	--
2006	6.0	8.5	5.9	6.2	4.3	4.5	3.2	5.6	5.6	5.6	5.2	6.4	5.6	4.8	6.2	4.9	5.7
2007	6.1	7.4	5.8	4.3	4.3	5.3	3.9	7.5	5.9	5.4	5.2	6.2	5.7	4.6	6.1	5.3	5.6
2008	5.3	6.8	6.6	5.2	3.9	4.7	3.7	6.6	5.1	5.5	5.5	5.9	4.5	5.0	6.0	5.2	5.6
2009	6.5	7.5	5.6	7.0	4.0	5.2	4.7	6.6	6.3	6.3	4.7	6.5	4.5	4.9	6.3	5.5	5.9
2010	5.2	7.2	5.6	5.1	3.9	5.1	3.3	5.2	5.9	4.4	5.3	6.2	4.4	4.9	5.6	4.7	5.4
2011	5.6	6.5	5.7	5.8	4.5	5.4	6.0	5.7	6.1	5.8	4.8	5.6	5.8	5.3	6.4	4.8	5.7
2012	6.6	8.2	6.1	6.7	5.0	5.7	4.7	6.1	6.4	4.6	5.1	6.5	5.8	4.9	6.3	5.3	5.8
2013	5.9	6.8	6.3	5.2	4.7	5.3	4.2	6.5	5.7	5.5	6.0	6.0	5.3	5.1	6.7	5.2	5.9
2014	6.2	6.8	5.1	5.2	4.5	4.4	3.2	6.0	5.0	5.3	4.7	5.8	4.0	4.7	5.9	4.6	5.3
2015	4.1	6.4	4.7	5.6	5.1	4.2	3.4	5.4	5.1	5.0	5.0	5.6	3.9	4.7	6.5	4.6	5.6
Averages:																	
Long Term	5.6	7.3	5.9	5.9	4.7	4.8	4.4	6.1	6.0	5.5	5.4	6.1	4.7	4.9	6.2	5.0	5.7
3-yr	5.4	6.6	5.4	5.3	4.7	4.6	3.6	6.0	5.2	5.3	5.2	5.8	4.4	4.8	6.4	4.8	5.6
% Change from:																	
Long Term	-28.8	-13.3	-20.7	-5.4	7.0	-14.7	-23.2	-11.0	-15.7	-9.7	-8.4	-10.0	-18.3	-4.5	4.7	-8.2	-1.9
3-yr	-24.8	-4.2	-11.5	5.0	6.9	-9.9	-5.1	-9.3	-2.4	-5.8	-4.9	-3.6	-11.5	-2.5	2.1	-4.3	-0.3
2014	-34.6	-6.3	-6.5	7.8	13.3	-5.2	7.0	-9.6	3.3	-7.3	6.0	-3.8	-3.3	0.7	10.0	-1.2	4.6

**Number of duck hunter days for active adult hunters (in thousands) by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	Total
1999	22.9	463.6	79.7	118.3	59.3	34.9	13.9	212.2	163.2	293.9	18.3	1,368.4	29.1	1,418.5	4,151.0	1,131.3	8,098.3
2000	19.2	416.6	80.5	90.6	56.8	30.8	24.7	188.2	130.4	238.7	26.5	1,171.4	33.9	1,418.3	4,184.6	1,109.1	7,917.2
2001	26.9	492.8	113.7	71.2	70.7	25.0	30.1	166.9	111.4	194.2	26.5	1,159.1	28.5	1,529.2	4,265.1	1,187.4	8,168.9
2002	26.3	439.4	68.7	88.6	80.6	29.4	33.5	171.9	111.5	182.0	26.2	1,129.7	33.9	1,290.3	4,004.6	1,162.3	7,616.6
2003	20.9	406.9	86.0	125.3	70.6	24.4	30.9	135.4	135.2	173.0	23.0	1,091.7	26.8	1,322.1	4,003.4	1,106.9	7,580.9
2004	21.1	554.3	85.4	105.7	71.5	19.9	25.6	124.9	116.6	163.2	31.3	1,177.2	30.4	1,327.0	3,857.3	979.7	7,371.4
2005	19.4	486.7	66.7	110.6	64.3	22.2	16.7	142.0	122.9	166.3	19.7	1,134.5	31.1	1,170.8	3,075.5	1,067.3	6,479.2
2006	22.2	521.1	65.0	112.5	60.0	23.0	15.6	238.0	120.5	177.7	22.5	1,275.0	25.2	1,077.7	3,364.3	1,046.2	6,788.4
2007	23.1	552.9	66.1	93.7	58.0	18.6	18.7	244.5	107.2	171.8	23.9	1,269.9	25.8	1,127.4	3,479.1	1,076.3	6,978.4
2008	16.7	591.3	72.9	121.4	56.6	15.1	14.8	237.7	107.2	157.2	18.8	1,303.3	25.7	946.1	3,410.0	1,001.3	6,886.4
2009	18.8	511.3	79.4	113.8	50.5	22.2	17.0	147.6	115.3	154.7	22.3	1,134.1	25.2	1,053.0	3,455.5	1,104.1	6,771.9
2010	18.2	596.8	51.2	84.3	49.7	23.9	15.9	161.6	116.6	131.4	18.7	1,182.6	36.4	895.0	3,404.2	1,072.4	6,590.8
2011	21.8	468.5	64.6	98.1	60.5	24.1	16.7	170.7	128.2	190.2	19.6	1,162.3	24.8	1,158.1	3,637.2	1,091.4	7,073.7
2012	20.6	554.0	57.4	120.7	69.8	22.2	17.0	147.3	129.7	193.8	20.8	1,258.0	25.6	1,150.6	3,505.2	1,104.2	7,043.6
2013	23.2	403.2	77.1	127.2	63.6	18.6	13.5	117.1	90.6	127.1	26.6	970.8	25.8	1,057.1	3,107.2	1,036.1	6,196.9
2014	14.1	309.8	67.5	114.6	79.8	15.0	28.7	125.9	99.1	152.7	18.4	911.1	20.5	1,134.0	2,981.9	924.2	5,971.7
2015	10.3	373.7	67.9	68.5	87.1	12.2	9.7	93.5	81.3	155.7	15.9	882.2	10.4	950.0	2,702.7	950.9	5,496.2
Averages:																	
Long Term	20.3	479.0	73.5	103.8	65.3	22.4	20.2	166.2	116.9	177.9	22.3	1,151.8	27.0	1,177.9	3,565.8	1,067.7	6,990.0
3-yr	15.9	362.2	70.8	103.4	76.9	15.3	17.3	112.2	90.3	145.2	20.3	921.4	18.9	1,047.0	2,930.6	970.4	5,888.3
% Change from:																	
Long Term	-50.8	-23.0	-8.1	-35.4	36.4	-47.2	-53.5	-45.3	-31.8	-13.1	-30.0	-24.5	-62.9	-20.3	-25.3	-11.5	-22.4
3-yr	-35.0	3.2	-4.2	-33.8	13.4	-20.3	-44.0	-16.7	-10.0	7.2	-21.8	-4.2	-44.9	-9.3	-7.8	-2.0	-6.7
2014	-26.9	20.7	0.5	-40.3	9.2	-19.0	-66.3	-25.8	-18.0	1.9	-13.6	-3.2	-49.3	-16.2	-9.4	2.9	-8.0

**Number of goose hunter days for active adult hunters (in thousands) by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	Total
1999	10.8	216.6	93.7	135.5	60.3	12.2	6.5	113.9	82.9	124.0	16.6	756.3	11.9	967.1	2,248.8	516.3	4,500.2
2000	4.7	208.1	111.8	109.9	80.8	13.5	16.4	96.8	81.0	107.5	26.4	702.2	14.1	991.1	2,229.2	519.8	4,456.5
2001	10.5	228.5	104.3	91.6	59.6	14.9	14.6	71.1	68.3	88.6	22.3	633.1	9.4	931.5	2,215.4	875.0	4,664.4
2002	7.7	211.0	91.8	74.8	66.5	13.0	19.6	74.7	66.3	62.3	22.2	576.4	10.3	839.0	2,333.4	854.7	4,613.9
2003	4.7	241.4	111.4	100.1	65.2	12.2	13.3	70.6	76.4	75.6	24.6	646.2	10.0	871.4	2,360.7	830.8	4,720.1
2004	8.3	273.0	92.2	87.3	61.9	10.5	11.4	82.4	69.0	66.4	24.8	658.8	9.5	774.7	2,086.8	681.6	4,211.5
2005	3.7	248.3	84.3	101.3	42.5	11.9	8.3	66.6	70.9	86.3	20.9	631.5	6.9	779.9	1,928.5	796.3	4,143.1
2006	6.6	258.2	76.8	85.3	48.7	9.4	5.8	80.8	59.9	84.2	20.1	633.0	9.6	722.7	1,950.4	691.5	4,007.1
2007	7.9	247.9	84.2	47.9	51.1	8.5	6.6	89.8	59.5	72.1	20.3	584.8	10.8	726.7	1,807.7	801.6	3,931.6
2008	5.8	258.8	105.5	71.3	39.6	8.9	5.6	90.5	47.5	65.9	20.3	588.2	8.9	723.3	1,733.8	797.2	3,851.4
2009	7.1	251.1	84.8	77.4	48.4	12.5	4.7	66.7	53.7	81.3	17.0	598.3	8.9	604.2	1,773.9	804.5	3,789.8
2010	5.7	279.1	60.3	56.4	42.2	12.8	5.6	51.6	69.5	52.9	20.0	570.3	13.5	600.8	1,579.9	688.9	3,453.4
2011	7.8	219.1	67.8	74.0	40.2	11.4	15.1	69.4	54.4	73.3	17.9	549.5	12.1	688.0	1,667.3	657.0	3,573.8
2012	3.3	263.3	84.9	85.6	70.7	12.5	13.7	53.7	66.3	61.5	19.2	616.9	12.2	612.6	1,520.9	695.5	3,458.0
2013	9.5	201.8	89.6	81.3	30.9	10.1	8.4	48.8	44.2	56.0	27.6	482.8	9.5	660.0	1,497.5	651.7	3,301.4
2014	12.0	258.7	73.9	78.8	56.0	8.0	9.5	52.2	50.2	58.0	17.4	574.0	7.6	673.7	1,419.8	611.9	3,287.0
2015	4.9	182.9	58.1	52.9	61.9	6.7	4.5	48.8	44.5	66.1	15.9	468.8	4.2	551.5	1,628.2	601.0	3,253.7
Averages:																	
Long Term	7.1	238.1	86.8	83.0	54.5	11.1	10.0	72.3	62.6	75.4	20.8	604.2	10.0	748.1	1,881.3	710.3	3,953.9
3-yr	8.8	214.5	73.9	71.0	49.6	8.3	7.5	49.9	46.3	60.0	20.3	508.5	7.1	628.4	1,515.2	621.5	3,280.7
% Change from:																	
Long Term	-32.1	-24.3	-34.4	-37.7	14.5	-41.3	-55.9	-33.8	-30.1	-13.0	-24.6	-23.5	-59.0	-27.5	-14.2	-16.2	-18.6
3-yr	-44.1	-14.7	-21.4	-25.5	24.8	-19.2	-39.3	-2.2	-3.9	10.1	-21.7	-7.8	-40.5	-12.2	7.5	-3.3	-0.8
2014	-59.0	-29.3	-21.4	-32.9	10.5	-16.8	-52.2	-6.5	-11.3	14.0	-8.8	-18.3	-44.3	-18.1	14.7	-1.8	-1.0



Sales of migratory game bird hunting permits<sup>a</sup> in Canada, 1966–present.

Year	NFL	PEI	NS	NB	QUE	ONT	MAN	SAS	ALB	BC	NWT	YUK	NU	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				381,921
1968	17,645	3,649	9,022	9,558	37,110	139,182	38,712	43,596	53,623	33,301				385,398
1969	19,089	3,794	8,848	10,110	39,477	134,037	41,611	45,347	53,602	32,764				388,679
1970	21,347	3,926	9,926	10,293	46,009	135,231	39,230	47,722	59,986	31,350				405,020
1971	23,460	4,513	11,381	11,146	50,276	133,563	40,960	49,448	62,902	30,225				417,874
1972	23,682	4,492	12,158	11,336	53,082	131,427	41,133	50,004	63,309	31,032				421,655
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	46,816	61,669	75,739	26,561	893	513		484,906
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	31,406	5,611	14,130	12,287	75,178	141,677	46,528	42,856	66,163	28,243	764	514		465,357
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	20,310	3,753	9,192	9,337	49,262	103,395	20,048	20,620	28,056	12,429	348	256		277,006
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	7,546	31,435	72,521	18,918	20,109	26,847	10,185	278	268		213,178
1998	13,101	2,946	7,681	7,095	30,113	70,407	18,445	21,822	22,238	9,816	286	231		204,181
1999	13,111	2,671	7,410	6,821	30,124	67,077	17,433	21,685	21,415	9,314	292	231		197,584
2000	12,217	2,805	7,072	6,399	30,271	63,672	15,810	21,908	21,792	9,007	267	224	0	191,444
2001	16,988	2,416	6,645	5,975	29,138	58,458	15,038	18,387	19,527	8,185	223	251	20	181,251
2002	16,056	2,341	6,316	5,942	28,702	56,645	14,832	16,958	17,814	7,464	244	217	24	173,555
2003	15,626	2,316	5,926	6,065	29,376	56,911	15,124	18,155	18,372	6,509	243	159	12	174,794
2004	14,810	1,724	5,727	5,705	28,872	55,523	14,244	18,273	18,768	6,402	192	180	19	170,439
2005	13,569	1,512	5,485	5,556	28,095	53,151	13,834	18,558	19,322	6,181	192	204	23	165,682
2006	14,217	1,470	5,381	5,329	27,058	54,363	14,229	18,556	19,379	5,826	202	167	19	166,196
2007	15,662	1,563	5,461	5,399	27,871	53,594	13,805	19,275	20,395	6,112	184	207	19	169,547
2008	16,144	1,577	5,573	5,530	29,119	55,016	13,545	18,050	20,446	6,360	190	183	22	171,755
2009	15,683	1,685	5,552	5,560	28,509	55,587	12,644	17,790	19,240	6,632	217	189	33	169,321
2010	15,737	1,754	5,696	5,536	29,290	54,857	12,635	17,830	19,775	6,387	245	195	47	169,984
2011	15,823	1,742	5,619	5,594	30,856	56,305	11,859	17,513	21,080	6,299	249	234	24	173,197
2012	17,418	1,744	5,794	5,814	31,339	57,317	12,233	20,076	20,899	6,786	261	254	33	179,968
2013	17,548	1,742	5,825	6,182	31,943	62,009	12,765	21,376	22,736	7,108	287	259	44	189,824
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:														
Long term	21,289	3,685	9,410	9,107	45,964	102,706	27,277	32,286	40,673	17,147	444	327	27	310,201
3-yr	16,203	1,738	5,403	5,905	31,875	61,071	12,389	20,973	23,667	7,368	338	280	46	187,256
% Change From:														
Long term	-29.46	-54.27	-46.37	-39.37	-32.48	-42.23	-55.55	-35.24	-39.36	-56.62	-24.51	-8.56	104.72	-40.87
3-yr	-6.76	-1.96	-5.71	-5.76	-2.00	-2.02	-1.03	0.40	5.04	2.10	-0.20	7.14	13.04	-1.24
2014	-5.30	-3.62	-3.69	-6.75	-3.73	-2.49	0.99	2.78	6.21	0.67	-13.37	6.76	23.81	-1.11

<sup>a</sup>Permit Sales include Canada resident and non-resident sales.

**Total duck harvest by State and Flyway\* from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	53,102	1,214,501	20,024	251,499	78,309	88,499	2,745	427,497	252,801	641,600	19,329	3,049,905	77,401	3,078,492	8,111,202	1,870,202	16,187,202
2000	57,600	953,001	23,450	235,000	100,483	47,399	4,718	423,799	209,000	568,202	10,886	2,633,533	77,799	3,317,963	8,111,596	1,825,305	15,965,198
2001	39,399	1,067,003	16,197	141,797	85,777	36,704	6,817	313,501	170,299	430,699	6,410	2,314,596	77,597	3,287,605	6,726,299	1,725,499	14,131,603
2002	33,899	826,596	16,256	191,798	92,567	44,898	7,963	357,701	172,602	389,502	2,614	2,136,400	74,100	2,614,898	5,834,899	1,778,903	12,439,198
2003	40,699	1,013,096	17,010	262,900	87,107	50,202	5,675	276,199	325,600	350,799	3,896	2,433,182	71,201	2,515,212	6,522,198	1,623,300	13,165,095
2004	34,101	1,480,700	25,028	188,500	78,076	37,101	2,100	256,802	196,700	353,298	3,144	2,657,549	63,001	2,668,251	5,505,502	1,417,897	12,312,197
2005	51,899	1,327,194	24,519	258,300	78,901	49,600	5,082	357,601	269,899	396,199	9,954	2,829,154	74,501	2,726,639	5,269,997	1,610,497	12,510,799
2006	45,701	1,480,799	17,347	278,002	83,493	55,402	2,505	630,602	310,400	496,399	14,113	3,414,763	65,198	2,448,439	6,257,201	1,622,503	13,808,103
2007	48,200	1,632,974	20,009	229,023	86,056	43,800	10,253	684,200	230,602	452,598	12,947	3,450,652	67,902	2,656,338	6,719,699	1,684,298	14,578,892
2008	28,899	1,634,101	10,821	257,702	81,465	29,900	7,525	644,402	186,597	399,198	6,544	3,287,154	68,298	2,100,565	6,522,934	1,744,244	13,723,201
2009	42,399	1,591,497	58,718	286,601	81,405	48,902	8,320	422,001	207,398	462,599	15,879	3,225,718	65,301	2,659,328	6,121,499	1,715,948	13,178,844
2010	38,502	1,734,102	25,725	156,571	70,720	48,229	2,297	419,133	249,090	286,221	10,829	3,042,823	91,743	2,229,977	7,646,985	1,857,540	14,865,794
2011	38,337	1,489,122	40,998	209,474	66,720	63,778	514	480,299	312,501	522,578	4,490	3,228,806	60,139	2,969,206	8,000,081	1,672,946	15,931,178
2012	52,663	1,738,441	21,446	351,587	113,511	56,666	9,610	444,312	298,011	565,474	9,179	3,660,898	75,639	3,978,648	8,543,434	2,637,100	18,895,712
2013	68,227	1,062,362	23,402	320,367	80,305	38,319	5,782	276,490	184,346	296,124	6,642	2,429,089	66,720	2,780,322	6,882,888	1,624,129	13,716,427
2014	25,283	948,858	13,375	241,828	115,853	30,051	10,111	339,163	206,717	394,470	13,086	2,338,797	50,021	2,825,933	6,429,892	1,610,023	13,254,661
2015	21,603	1,266,282	19,899	173,674	147,345	27,158	1,415	239,063	192,979	445,145	12,104	2,574,318	27,638	2,258,434	4,822,673	1,337,434	10,992,857
Averages:																	
Long Term	42,383	1,321,213	23,190	237,331	89,888	46,859	5,496	411,339	233,973	438,300	9,532	2,865,137	67,894	2,771,544	6,707,587	1,726,928	14,097,527
3-yr	38,371	1,092,501	18,892	245,290	114,501	31,843	5,769	284,905	194,681	378,580	10,611	2,447,401	48,126	2,621,563	6,045,151	1,523,862	12,654,648
% Change from:																	
Long Term	-50.5	-4.4	-14.9	-28.0	70.7	-43.5	-75.4	-43.4	-18.4	1.7	29.2	-10.7	-60.7	-19.4	-29.3	-23.6	-23.1
3-yr	-43.7	15.9	5.3	-29.2	28.7	-14.7	-75.5	-16.1	-0.9	17.6	14.1	5.2	-42.6	-13.9	-20.2	-12.2	-13.1
2014	-14.6	33.5	48.8	-28.2	27.2	-9.6	-86.0	-29.5	-6.6	12.8	-7.5	10.1	-44.7	-20.1	-25.0	-16.9	-17.1

\*Flyway totals for Central, Mississippi, and Atlantic Flyways include Early and Special Teal and Wood Duck harvest totals.

**Mallard harvest by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	14,513	328,165	15,221	187,001	59,605	29,209	1,514	203,013	71,979	371,461	13,408	1,295,088	23,385	995,528	3,137,726	444,068	5,895,795
2000	17,224	309,475	15,400	170,973	77,952	15,254	2,727	202,972	66,000	332,374	8,043	1,218,394	19,085	1,035,988	3,272,671	523,046	6,069,184
2001	13,811	307,911	12,801	106,695	67,677	13,126	3,581	145,060	72,777	256,081	4,338	1,003,857	27,711	1,178,357	2,796,047	472,682	5,478,655
2002	8,732	191,277	11,510	131,631	54,865	18,693	3,982	180,239	55,830	229,310	1,176	887,246	19,541	1,013,838	2,374,276	538,846	4,833,747
2003	10,697	288,094	11,766	195,916	68,559	17,771	3,224	121,104	123,368	189,704	3,255	1,033,457	24,824	962,154	2,483,361	427,301	4,931,097
2004	11,295	359,723	17,728	122,102	55,467	12,367	1,390	89,792	67,935	178,118	2,764	918,681	21,479	969,467	2,199,931	422,091	4,531,649
2005	14,905	349,758	17,263	172,669	58,877	12,639	3,154	142,771	85,014	212,209	5,548	1,074,807	30,288	868,144	2,049,383	444,305	4,466,927
2006	6,318	349,054	10,328	167,536	58,772	22,099	1,386	261,381	96,987	269,881	5,806	1,249,549	22,616	709,952	2,286,643	399,651	4,668,411
2007	10,260	270,300	12,627	155,506	55,273	12,936	4,982	271,041	72,160	235,351	7,050	1,107,485	20,039	806,861	2,514,119	429,917	4,878,421
2008	6,396	255,956	8,492	179,397	58,135	10,748	2,995	265,271	58,177	219,726	4,674	1,069,968	22,126	677,267	2,282,128	503,480	4,554,969
2009	9,288	262,442	29,423	146,716	42,463	14,914	1,959	147,480	69,379	166,231	6,570	896,866	21,078	821,947	2,076,235	419,543	4,135,196
2010	12,152	331,987	18,888	104,223	53,556	10,088	1,343	161,862	76,285	128,176	7,775	906,964	32,534	604,932	2,228,649	394,671	4,165,403
2011	8,006	308,051	29,440	112,066	48,499	20,760	257	189,305	92,926	247,483	2,487	1,059,280	20,338	773,332	2,240,248	315,897	4,409,096
2012	11,533	243,467	7,991	182,047	51,802	11,828	1,614	132,638	74,489	226,227	3,304	946,940	17,148	763,143	1,882,553	325,487	3,935,272
2013	13,720	127,977	10,390	212,538	53,058	10,499	2,329	103,953	52,713	123,569	4,613	715,358	17,125	740,084	1,837,000	328,029	3,637,597
2014	6,672	106,370	9,203	169,105	90,878	12,841	6,792	136,459	51,366	186,951	8,580	785,215	18,232	813,668	1,992,886	294,063	3,904,063
2015	3,416	119,301	11,371	116,831	116,317	9,390	607	105,464	55,488	219,729	8,251	773,155	6,990	714,448	1,695,598	250,114	3,433,315
Averages:																	
Long Term	10,526	265,253	14,697	154,880	63,044	15,010	2,579	168,224	73,110	223,093	5,744	996,606	21,443	849,948	2,314,674	407,835	4,584,047
3-yr	7,936	117,883	10,321	166,158	86,751	10,910	3,243	115,292	53,189	176,750	7,148	757,909	14,116	756,067	1,841,828	290,735	3,658,325
% Change from:																	
Long Term	-68.9	-56.5	-23.7	-25.7	94.8	-38.9	-77.5	-38.7	-25.2	-1.6	47.7	-23.5	-68.7	-16.8	-28.0	-40.1	-26.3
3-yr	-57.0	1.2	10.2	-29.7	34.1	-13.9	-81.3	-8.5	4.3	24.3	15.4	2.0	-50.5	-5.5	-7.9	-14.0	-6.2
2014	-48.8	12.2	23.6	-30.9	28.0	-26.9	-91.1	-22.7	8.0	17.5	-3.8	-1.5	-61.7	-12.2	-14.9	-14.9	-12.1

Hand-reared Mallard harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	882	0	376	0	0	0	244	109	147	0	1,759	0	193	4,553	9,121	15,626
2000	0	1,193	0	288	68	0	0	129	183	365	0	2,225	0	1,312	9,473	10,123	23,133
2001	0	1,206	71	138	0	0	0	814	86	360	0	2,675	0	342	7,470	14,651	25,138
2002	103	710	0	226	0	45	0	192	97	69	0	1,442	0	578	6,999	15,870	24,889
2003	85	477	0	136	50	0	172	213	247	225	0	1,606	0	1,178	6,018	12,637	21,439
2004	54	1,394	0	97	94	46	0	129	75	168	0	2,057	0	2,422	5,015	9,546	19,039
2005	0	1,062	0	255	0	0	37	96	169	95	0	1,715	0	1,211	4,539	9,557	17,022
2006	0	985	0	315	0	0	0	267	310	98	0	1,709	0	1,975	8,493	7,044	19,221
2007	42	438	0	628	0	0	0	0	0	185	0	1,559	0	1,168	3,828	7,585	14,139
2008	0	803	0	245	196	147	0	499	294	97	0	2,281	0	151	3,311	5,941	11,684
2009	0	525	0	265	0	0	0	70	106	0	0	966	0	280	1,990	9,254	12,490
2010	0	2,105	0	0	0	0	0	94	202	0	0	2,401	0	1,328	1,673	8,784	14,187
2011	44	589	0	296	0	0	0	445	250	669	0	2,293	0	926	3,398	4,923	11,541
2012	0	0	0	153	0	0	0	90	0	0	0	243	0	604	647	5,844	7,338
2013	148	607	0	874	0	0	0	294	402	114	0	2,439	69	460	1,277	3,208	7,452
2014	0	190	0	399	161	0	0	211	1,002	0	0	1,963	0	236	680	2,958	5,837
2015	43	1,020	0	0	0	48	0	164	336	109	0	1,720	0	504	1,087	3,863	7,173
Averages:																	
Long Term	31	834	4	276	33	17	12	232	228	159	0	1,827	4	875	4,144	8,289	15,138
3-yr	64	606	0	424	54	16	0	223	580	74	0	2,041	23	400	1,015	3,343	6,821
% Change from:																	
Long Term	44.6	24.0	-100.0	-100.0	-100.0	222.7	-100.0	-30.7	52.2	-32.7	#DIV/0!	-6.2	-100.0	-43.9	-74.9	-54.9	-54.1
3-yr	-32.5	68.4	#DIV/0!	-100.0	-100.0	200.0	#DIV/0!	-26.5	-42.1	46.6	#DIV/0!	-15.7	-100.0	26.0	7.1	15.6	5.2
2014	#DIV/0!	436.8	#DIV/0!	-100.0	-100.0	#DIV/0!	#DIV/0!	-22.3	-66.5	#DIV/0!	#DIV/0!	-12.4	#DIV/0!	113.6	59.9	30.6	22.9

Northern Pintail harvest by State and Flyway from the Harvest Information Program, 1999-current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	1,800	120,509	163	6,193	914	6,575	0	27,085	21,112	34,705	697	219,753	10,652	129,904	153,304	25,101	538,714
2000	2,408	82,200	210	6,019	1,285	3,318	0	30,446	19,091	40,612	325	185,914	17,119	135,897	153,036	20,050	512,016
2001	2,355	91,201	71	2,764	961	2,387	347	18,496	12,888	16,455	289	148,213	11,585	136,050	125,148	20,619	441,615
2002	565	67,885	94	3,238	2,964	2,102	394	18,024	10,222	13,436	44	118,968	11,215	60,703	99,759	17,220	307,865
2003	1,151	79,297	0	5,854	1,206	1,820	43	15,716	18,789	11,009	49	134,936	9,084	55,641	119,005	18,134	336,800
2004	535	98,771	116	3,403	1,128	834	32	16,643	10,209	9,313	0	140,984	6,056	63,280	90,542	10,254	311,115
2005	2,599	115,657	229	6,509	1,483	3,370	37	27,900	23,385	21,450	109	202,728	5,767	78,919	107,276	17,339	412,029
2006	2,337	123,246	161	5,781	1,998	2,619	0	47,540	26,883	21,092	135	231,793	7,630	66,350	104,286	20,282	430,342
2007	2,554	137,851	178	4,551	2,069	2,983	344	57,433	19,010	24,939	365	252,277	7,170	88,229	162,416	19,076	529,168
2008	1,299	169,433	0	4,656	2,157	1,319	219	57,877	15,108	24,792	36	276,897	7,779	72,230	158,218	21,395	536,519
2009	577	177,118	558	5,174	1,625	2,123	94	39,653	16,893	34,835	149	278,798	7,178	96,449	106,727	15,056	498,762
2010	1,986	242,628	0	4,828	1,373	3,515	0	59,658	21,044	22,670	0	357,813	10,139	116,127	196,177	23,522	704,549
2011	1,218	201,637	365	3,849	685	4,613	0	73,995	48,711	48,526	61	383,660	7,873	187,970	212,499	17,971	809,973
2012	1,736	201,061	100	7,948	1,540	3,256	77	59,449	35,046	36,666	0	346,880	10,962	156,403	156,593	12,609	683,446
2013	3,041	130,558	109	7,114	1,440	2,238	0	37,299	15,161	24,395	92	221,448	9,727	130,820	155,104	21,367	538,467
2014	1,668	115,685	144	3,191	2,095	927	232	42,679	23,553	34,581	291	225,044	5,484	107,608	115,644	17,685	471,466
2015	982	161,448	0	3,664	2,228	385	40	25,504	18,459	33,653	83	249,372	2,926	84,569	95,746	17,501	447,189
Averages:																	
Long Term	1,695	136,246	147	4,984	1,597	2,611	109	38,553	20,916	26,655	160	233,852	8,726	103,950	135,969	18,540	500,590
3-yr	1,897	135,897	84	4,656	1,921	1,183	91	35,161	19,058	30,876	155	231,955	6,046	107,666	122,165	18,851	485,707
% Change from:																	
Long Term	-43.5	19.9	-100.0	-27.7	43.0	-86.0	-64.8	-35.2	-12.4	28.4	-49.7	7.1	-67.8	-19.6	-30.9	-5.9	-11.3
3-yr	-48.2	18.8	-100.0	-21.3	16.0	-67.5	-55.9	-27.5	-3.1	9.0	-46.6	7.5	-51.6	-21.5	-21.6	-7.2	-7.9
2014	-41.1	39.6	-100.0	14.8	6.3	-58.5	-82.8	-40.2	-21.6	-2.7	-71.5	10.8	-46.6	-21.4	-17.2	-1.0	-5.1

American Wigeon harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	4,725	167,130	1,384	17,824	4,073	2,211	528	62,832	14,768	105,291	1,306	382,072	17,539	201,752	170,804	49,857	822,024
2000	6,668	111,669	1,610	18,406	5,054	3,490	811	49,073	17,818	69,764	1,300	285,662	15,645	217,111	217,539	38,970	774,927
2001	4,925	149,078	919	12,784	6,087	2,042	1,502	48,741	13,146	66,808	578	306,610	16,960	204,922	172,897	37,637	739,027
2002	4,674	113,548	1,644	18,299	7,720	3,891	1,419	55,606	13,775	61,916	610	283,102	14,312	190,807	144,517	32,466	665,203
2003	6,648	112,566	1,151	20,150	4,574	3,784	903	38,614	21,097	64,408	197	274,092	9,397	151,005	120,737	39,505	594,737
2004	3,854	196,672	1,970	18,860	5,923	2,501	129	36,639	16,740	62,673	0	345,960	8,478	226,348	149,793	19,374	749,954
2005	2,981	176,871	1,986	29,352	2,967	2,834	779	51,086	21,443	57,771	435	348,506	7,622	203,370	121,240	20,686	701,424
2006	5,626	165,724	888	40,465	3,580	3,093	267	107,638	29,468	80,739	1,890	439,377	12,442	198,561	163,839	39,999	854,219
2007	3,225	218,751	800	24,715	7,157	3,278	1,031	118,863	20,096	74,817	608	473,342	13,543	157,652	148,774	25,536	818,846
2008	3,669	271,816	411	23,773	5,490	2,931	1,169	123,405	16,678	67,960	467	517,768	9,901	155,663	160,218	29,563	873,113
2009	3,253	195,302	2,649	21,357	5,741	4,133	614	59,479	15,618	76,931	597	385,676	10,572	201,129	96,709	33,514	711,765
2010	2,688	225,407	450	13,821	3,335	3,384	530	61,248	22,258	60,059	486	393,960	17,553	132,878	129,959	39,782	713,451
2011	2,524	169,831	1,460	31,088	3,014	3,979	171	73,015	24,730	87,347	546	397,705	10,778	165,716	136,779	44,367	755,345
2012	5,953	193,750	300	24,456	3,360	3,123	923	58,910	30,249	76,180	874	398,078	11,396	202,934	137,133	23,837	773,378
2013	7,490	152,570	3,281	21,466	4,081	2,452	1,927	43,479	17,370	61,670	369	316,157	11,029	178,153	95,602	34,947	635,888
2014	3,108	161,503	719	17,150	4,995	1,059	695	51,663	23,553	75,654	679	340,778	8,973	135,894	84,575	39,094	609,315
2015	3,074	221,098	1,184	13,086	5,728	2,119	364	36,340	20,025	88,394	912	395,943	3,617	101,509	63,988	29,869	591,309
Averages:																	
Long Term	4,417	176,664	1,342	21,591	4,875	2,959	810	63,331	19,931	72,846	697	369,693	11,750	177,965	136,183	34,059	728,466
3-yr	4,557	178,390	1,728	17,234	4,935	1,877	995	43,827	20,316	75,239	653	350,959	7,873	138,519	81,388	34,637	612,171
% Change from:																	
Long Term	-31.7	27.2	-12.4	-40.8	18.8	-29.6	-56.5	-44.1	0.5	23.0	33.4	7.6	-70.5	-44.5	-54.5	-13.0	-19.8
3-yr	-32.5	23.9	-31.5	-24.1	16.1	12.9	-63.4	-17.1	-1.4	17.5	39.6	12.8	-54.1	-26.7	-21.4	-13.8	-3.4
2014	-1.1	36.9	64.7	-23.7	14.7	100.1	-47.6	-29.7	-15.0	16.8	34.3	16.2	-59.7	-25.3	-24.3	-23.6	-3.0

**American Green-winged Teal harvest by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	11,925	285,180	1,872	18,579	2,411	27,289	458	45,751	66,181	55,293	1,393	516,331	13,375	351,531	908,239	241,552	2,031,028
2000	7,779	192,079	2,240	14,393	3,255	15,556	369	55,111	53,818	63,161	325	408,086	10,239	350,588	691,501	190,783	1,651,197
2001	9,101	203,886	566	8,292	2,563	10,395	462	30,012	31,018	27,694	530	324,519	10,287	329,597	588,076	149,094	1,401,573
2002	5,958	203,453	1,034	11,070	5,376	5,948	1,380	41,513	32,174	31,720	348	339,974	7,500	302,838	536,469	158,560	1,345,341
2003	7,884	218,097	2,558	15,248	2,362	7,425	516	37,689	38,980	28,085	148	358,993	9,632	285,370	698,563	137,155	1,489,713
2004	4,871	348,748	1,506	14,485	4,607	5,743	97	41,155	28,825	29,113	95	479,246	7,994	273,326	498,019	114,969	1,373,555
2005	10,777	297,573	2,215	17,867	4,621	10,265	445	61,091	51,836	40,993	653	498,336	10,631	356,990	513,850	120,672	1,500,479
2006	12,637	331,324	2,824	16,712	3,746	8,778	213	79,114	59,454	39,339	540	554,681	7,974	281,833	659,628	154,612	1,658,727
2007	10,050	402,972	2,401	13,495	4,484	8,742	1,031	96,743	39,649	41,842	1,216	622,626	8,457	370,893	792,182	157,037	1,951,194
2008	4,480	468,551	548	13,112	3,333	4,104	767	101,452	33,160	35,584	324	665,414	9,396	320,899	852,849	148,908	1,997,465
2009	5,300	387,457	976	13,266	3,900	7,988	519	49,322	29,430	32,111	1,045	531,314	7,766	279,153	755,233	135,634	1,694,073
2010	5,726	394,940	1,079	10,791	5,199	6,248	0	56,572	28,531	30,191	833	540,259	8,928	262,721	1,052,768	148,482	2,011,882
2011	6,004	311,978	1,946	11,991	3,836	6,170	0	55,207	48,961	57,395	667	504,156	3,655	327,618	1,001,902	112,102	1,949,433
2012	9,053	371,171	799	12,075	6,160	9,370	0	48,852	38,111	55,355	1,457	552,404	7,489	412,550	932,461	124,683	2,029,587
2013	15,351	258,838	2,625	16,973	4,321	7,621	80	34,651	38,958	30,208	185	409,812	8,152	331,873	848,357	113,113	1,711,307
2014	4,473	240,591	575	10,237	7,734	4,104	386	40,713	30,193	34,817	1,212	375,036	5,840	343,931	911,663	115,303	1,751,773
2015	4,611	327,484	1,184	8,270	5,569	3,467	0	29,171	33,338	34,636	995	452,018	3,292	220,843	529,417	89,342	1,291,621
Averages:																	
Long Term	7,999	308,490	1,585	13,344	4,322	8,777	395	53,183	40,154	39,267	704	478,424	8,271	317,797	751,246	141,882	1,696,468
3-yr	8,145	275,638	1,461	11,827	5,875	5,064	155	34,845	34,163	33,220	797	412,289	5,761	298,882	763,146	105,919	1,584,900
% Change from:																	
Long Term	-43.8	6.6	-26.5	-39.5	31.2	-61.9	-100.0	-46.7	-17.8	-12.4	45.1	-5.8	-61.6	-31.8	-30.8	-38.5	-25.0
3-yr	-43.4	18.8	-19.0	-30.1	-5.2	-31.5	-100.0	-16.3	-2.4	4.3	24.8	9.6	-42.9	-26.1	-30.6	-15.7	-18.5
2014	3.1	36.1	105.9	-19.2	-28.0	-15.5	-100.0	-28.3	10.4	-0.5	-17.9	20.5	-43.6	-35.8	-41.9	-22.5	-26.3

**Blue-winged and Cinnamon Teal harvest by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	3,150	47,156	163	1,511	665	1,280	0	366	4,157	441	0	58,888	80	277,260	736,473	81,876	1,154,577
2000	1,852	27,321	700	1,919	771	1,637	0	771	2,636	747	81	38,436	0	375,421	710,588	78,195	1,202,640
2001	964	36,721	354	207	881	1,008	0	582	1,375	270	193	42,553	278	375,876	628,270	72,362	1,119,340
2002	1,541	30,239	423	753	2,688	626	0	1,055	7,204	693	0	45,221	482	213,269	439,758	61,335	760,064
2003	2,046	46,267	0	817	955	287	0	640	6,016	300	99	57,426	0	263,127	599,893	45,872	966,318
2004	2,302	57,312	116	1,555	1,410	556	0	645	7,582	503	0	71,981	0	228,435	365,488	73,044	738,948
2005	4,968	58,160	153	255	970	1,341	0	385	9,793	191	326	76,542	50	235,715	314,079	77,147	703,534
2006	692	56,883	0	526	1,665	307	0	897	10,443	98	608	72,118	0	284,381	513,876	70,590	940,965
2007	2,638	43,371	0	1,491	2,587	532	115	1,066	5,897	92	243	58,031	61	346,687	626,720	89,652	1,121,151
2008	1,980	39,949	137	1,716	490	195	365	499	7,260	0	72	52,664	0	200,810	517,937	72,509	843,920
2009	1,364	35,319	558	1,725	433	447	24	139	6,056	454	50	46,568	0	302,347	732,594	114,479	1,190,638
2010	292	48,219	180	757	196	1,172	0	1,029	6,880	0	69	58,794	0	260,442	633,411	119,348	1,072,629
2011	1,740	36,911	1,095	1,036	685	807	0	1,158	9,243	0	0	52,675	0	359,391	704,647	134,436	1,251,149
2012	1,798	31,926	0	459	980	399	0	359	3,465	356	777	40,519	109	346,157	932,096	108,568	1,427,447
2013	6,304	22,013	437	2,870	3,241	1,119	0	294	5,824	456	277	42,835	343	403,569	942,908	75,663	1,465,318
2014	417	18,156	719	133	0	397	1,158	491	9,772	472	436	32,152	214	411,700	648,805	62,618	1,155,489
2015	1,195	19,204	948	0	636	144	0	328	5,817	109	124	28,507	0	390,079	506,316	88,984	1,013,886
Averages:																	
Long Term	2,073	38,537	352	1,043	1,133	721	98	630	6,436	305	197	51,524	95	310,274	620,815	83,922	1,066,354
3-yr	2,639	19,791	701	1,001	1,292	553	386	371	7,138	346	279	34,498	186	401,783	699,343	75,755	1,211,564
% Change from:																	
Long Term	-43.8	-51.7	201.3	-100.0	-45.3	-81.0	-100.0	-49.4	-10.2	-65.6	-38.6	-46.2	-100.0	27.8	-19.4	6.4	-5.2
3-yr	-54.7	-3.0	35.2	-100.0	-50.8	-74.0	-100.0	-11.6	-18.5	-68.5	-55.6	-17.4	-100.0	-2.9	-27.6	17.5	-16.3
2014	186.6	5.8	31.8	-100.0	#DIV/0!	-63.7	-100.0	-33.2	-40.5	-76.9	-71.6	-11.3	-100.0	-5.3	-22.0	42.1	-12.3



Northern Shoveler harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	2,475	109,495	0	2,719	1,995	5,237	35	17,568	43,209	7,206	174	190,114	2,723	121,495	201,054	17,350	532,736
2000	3,149	83,274	0	2,617	600	1,896	74	14,002	11,909	10,714	0	128,234	3,522	102,188	196,306	17,950	448,200
2001	1,285	113,562	0	1,244	481	2,758	0	14,308	6,358	5,934	145	146,075	2,502	133,216	236,850	21,468	540,112
2002	1,900	88,180	47	3,163	1,654	3,488	0	10,354	18,837	8,449	87	136,161	3,991	87,628	126,468	14,688	368,935
2003	2,429	96,230	0	2,859	804	6,946	129	10,098	28,431	7,939	0	155,865	1,879	88,270	207,613	12,748	466,375
2004	2,248	147,722	348	2,625	1,457	4,400	32	14,643	19,667	10,739	95	203,977	2,180	104,482	158,905	9,865	479,409
2005	2,675	128,802	0	4,339	1,369	4,366	37	15,874	14,943	12,679	326	185,412	4,513	137,817	195,542	18,672	541,956
2006	4,155	224,576	0	2,733	1,415	6,577	53	30,139	19,335	9,222	473	298,677	2,681	104,705	225,492	12,496	644,051
2007	6,910	275,265	0	3,766	2,501	5,818	401	32,114	24,907	15,610	608	367,899	1,532	141,238	289,071	15,045	814,786
2008	2,175	209,583	0	1,838	588	3,127	183	17,796	15,697	6,611	72	257,670	1,515	65,214	252,481	11,415	588,296
2009	2,624	157,710	0	1,990	108	3,296	94	12,104	11,050	9,758	0	198,734	3,850	143,969	283,039	19,202	643,500
2010	3,564	220,814	180	947	687	10,219	0	18,515	24,889	6,661	69	286,577	3,178	139,619	475,071	29,651	934,598
2011	9,572	253,862	608	2,665	2,055	11,764	0	21,637	17,486	12,215	243	332,108	2,624	174,748	375,918	32,087	917,485
2012	6,139	291,478	200	7,490	980	11,230	0	20,026	18,656	14,951	194	371,343	2,388	154,950	391,133	33,027	952,841
2013	7,713	197,355	437	5,366	2,041	7,035	0	18,466	11,748	9,575	92	259,828	5,275	173,526	355,369	27,862	821,859
2014	2,502	155,134	0	3,324	1,289	2,118	154	17,830	28,189	15,107	145	225,792	2,778	142,535	294,147	39,505	704,756
2015	1,665	232,994	237	1,884	1,750	3,467	0	9,523	13,201	15,843	41	281,339	732	84,980	155,309	22,748	544,376
Averages:																	
Long Term	3,716	175,649	121	3,033	1,281	5,514	70	17,353	19,324	10,542	163	236,812	2,815	123,564	259,986	20,928	643,781
3-yr	3,960	195,161	225	3,525	1,693	4,207	51	15,273	17,713	13,508	93	255,653	2,928	133,680	268,275	30,038	690,330
% Change from:																	
Long Term	-56.7	35.4	108.4	-39.3	39.8	-38.6	-100.0	-46.6	-33.0	55.2	-75.9	20.2	-75.2	-32.5	-41.7	9.3	-16.2
3-yr	-58.0	19.4	5.5	-46.5	3.3	-17.6	-100.0	-37.6	-25.5	17.3	-55.8	10.0	-75.0	-36.4	-42.1	-24.3	-21.1
2014	-33.5	50.2	#DIV/0!	-43.3	35.8	63.7	-100.0	-46.6	-53.2	4.9	-71.7	24.6	-73.7	-40.4	-47.2	-42.4	-22.8

Gadwall harvest by State and Flyway from the Harvest Information Program, 1999-current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	4,050	69,290	326	5,438	3,658	5,528	70	10,858	17,174	15,735	1,219	133,345	481	556,552	1,069,106	62,212	1,821,696
2000	6,668	59,652	1,190	6,281	2,913	4,094	369	14,516	16,091	19,434	731	131,937	573	609,414	1,267,317	67,496	2,076,737
2001	2,141	66,537	707	4,837	1,922	2,758	809	9,888	16,669	13,847	337	120,452	1,946	491,783	845,701	33,785	1,493,668
2002	2,722	60,579	705	4,819	6,341	6,887	473	9,108	14,700	11,150	305	117,790	1,170	411,642	661,701	39,803	1,232,106
2003	3,196	79,774	256	6,399	2,563	7,904	387	9,458	30,821	12,807	99	153,664	392	422,728	851,315	38,479	1,466,578
2004	3,480	132,566	463	6,125	2,914	7,087	32	10,450	25,898	12,081	95	201,192	969	483,058	654,488	24,269	1,363,975
2005	2,905	105,034	1,146	10,210	2,681	9,231	74	18,376	34,782	7,436	1,305	193,179	1,153	499,963	635,321	34,337	1,363,954
2006	5,366	124,231	242	20,390	5,328	8,137	53	25,654	38,567	14,029	1,350	243,348	1,031	463,376	803,785	33,252	1,544,792
2007	2,638	122,226	1,334	8,317	5,950	5,169	573	17,456	24,907	9,514	729	198,812	1,042	394,305	842,192	38,950	1,475,301
2008	2,532	110,212	685	8,333	6,764	4,690	913	14,802	22,761	9,236	288	181,216	1,010	339,425	906,308	36,313	1,464,272
2009	2,781	117,846	2,649	14,592	2,816	4,636	637	13,844	21,887	10,779	647	193,115	718	480,882	713,277	33,448	1,401,774
2010	5,258	124,375	1,709	6,248	2,256	6,834	283	13,746	43,100	8,165	1,250	213,264	2,270	369,112	1,098,679	53,420	1,735,229
2011	2,263	106,218	1,582	11,991	2,192	10,149	86	15,048	46,713	15,562	425	212,227	1,406	556,105	1,474,405	68,561	2,312,705
2012	3,162	95,291	300	12,534	5,320	6,512	692	15,446	42,642	11,391	389	193,679	543	536,958	1,240,234	49,318	2,020,732
2013	5,117	60,725	1,640	13,978	6,002	4,584	1,285	8,902	19,479	7,182	277	129,169	480	455,548	1,009,467	80,107	1,674,771
2014	1,554	56,464	288	14,491	3,061	6,222	309	10,459	21,298	7,081	921	122,149	1,211	422,036	947,364	90,036	1,582,795
2015	1,067	83,443	4,264	11,306	3,501	5,152	121	6,458	30,429	9,287	746	155,898	122	328,964	559,674	58,906	1,103,441
Averages:																	
Long Term	3,347	92,615	1,146	9,782	3,893	6,210	422	13,204	27,525	11,454	654	170,261	972	460,109	916,490	49,570	1,596,149
3-yr	2,579	66,877	2,064	13,258	4,188	5,319	572	8,606	23,735	7,850	648	135,739	604	402,183	838,835	76,350	1,453,669
% Change from:																	
Long Term	-69.4	-10.5	348.2	16.7	-10.6	-17.9	-72.5	-52.6	11.3	-19.9	15.1	-8.9	-88.1	-29.8	-40.4	20.2	-32.2
3-yr	-58.6	24.8	106.6	-14.7	-16.4	-3.1	-78.8	-25.0	28.2	18.3	15.1	14.9	-79.8	-18.2	-33.3	-22.8	-24.1
2014	-31.3	47.8	1,380.6	-22.0	14.4	-17.2	-60.8	-38.3	42.9	31.2	-19.0	27.6	-89.9	-22.1	-40.9	-34.6	-30.3

Wood Duck harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	26,839	81	4,985	333	1,047	35	12,200	109	6,617	0	52,247	0	124,655	978,683	398,765	1,554,350
2000	185	32,331	70	4,798	86	302	147	10,534	364	5,731	0	54,547	0	118,950	808,899	382,412	1,364,808
2001	107	33,104	71	1,589	240	133	0	15,820	258	2,877	0	54,200	0	112,709	634,131	403,484	1,204,524
2002	0	21,005	0	2,184	276	224	0	6,999	146	3,671	0	34,503	0	84,721	695,915	350,818	1,165,958
2003	341	25,280	0	2,723	302	575	0	9,031	165	2,546	0	40,962	0	76,038	736,154	338,004	1,191,158
2004	0	22,472	0	1,847	94	139	32	7,612	75	3,440	0	35,711	0	74,626	729,608	265,560	1,105,505
2005	0	39,437	0	2,680	456	728	37	10,871	0	1,335	0	55,545	0	67,386	673,507	323,482	1,119,921
2006	173	31,273	0	5,991	666	84	160	13,455	207	6,769	68	58,845	0	49,655	635,053	332,648	1,076,200
2007	293	33,733	89	3,609	345	236	115	10,527	78	4,064	0	53,088	0	75,772	621,615	337,365	1,087,841
2008	227	36,336	137	3,921	294	195	37	13,139	589	5,445	0	60,319	0	55,317	662,706	365,477	1,143,820
2009	157	27,101	837	4,112	758	168	47	7,444	106	4,879	50	45,659	0	51,387	647,412	357,501	1,098,345
2010	526	34,060	90	1,515	294	456	0	9,725	0	3,008	0	49,688	0	56,210	919,195	453,057	1,478,830
2011	218	21,008	122	2,961	411	0	0	11,308	1,249	4,351	0	41,627	0	46,556	928,178	417,596	1,433,957
2012	186	21,934	200	5,656	280	598	0	6,286	0	2,314	194	37,648	0	32,050	780,024	445,354	1,295,075
2013	222	5,465	0	6,115	600	266	0	9,196	100	4,218	0	26,184	0	33,296	774,961	326,423	1,160,864
2014	38	9,316	0	4,387	0	0	0	11,021	376	4,131	48	29,317	0	43,851	602,451	403,956	1,079,574
2015	43	7,987	0	1,570	318	241	0	7,772	336	7,648	41	25,957	0	40,531	557,838	317,238	941,564
Averages:																	
Long Term	160	25,217	100	3,567	338	317	36	10,173	245	4,297	24	44,473	0	67,277	728,608	365,832	1,206,017
3-yr	101	7,589	0	4,024	306	169	0	9,330	271	5,332	30	27,153	0	39,226	645,083	349,206	1,060,667
% Change from:																	
Long Term	-74.3	-69.6	-100.0	-57.5	-6.4	-25.1	-100.0	-24.7	40.7	87.1	82.2	-43.1	#DIV/0!	-41.2	-24.5	-14.0	-23.0
3-yr	-57.4	5.2	#DIV/0!	-61.0	3.9	42.6	#DIV/0!	-16.7	24.1	43.4	38.2	-4.4	#DIV/0!	3.3	-13.5	-9.2	-11.2
2014	13.2	-14.3	#DIV/0!	-64.2	#DIV/0!	#DIV/0!	#DIV/0!	-29.5	-10.6	85.1	-14.6	-11.5	#DIV/0!	-7.6	-7.4	-21.5	-12.8

Canvasback harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	225	12,725	0	0	499	989	0	2,318	1,313	2,059	0	20,127	0	33,639	40,510	5,566	99,841
2000	926	10,618	0	349	514	215	0	3,083	3,000	997	81	19,783	246	26,960	49,183	16,474	112,646
2001	214	6,687	0	0	80	80	0	582	1,031	809	0	9,482	0	13,993	11,578	1,578	36,631
2002	0	609	0	0	69	0	0	96	0	69	0	843	344	1,208	574	0	2,970
2003	256	7,035	0	408	302	335	0	498	1,566	824	0	11,224	157	8,005	9,821	4,738	33,945
2004	54	11,497	0	194	235	324	0	323	976	1,342	0	14,945	81	8,857	10,824	9,772	44,479
2005	459	4,780	76	255	628	460	0	289	1,520	858	54	9,378	351	17,470	32,786	4,433	64,420
2006	346	17,483	161	631	749	307	0	1,794	3,516	1,864	68	26,918	69	18,031	45,640	1,228	91,885
2007	1,256	32,564	0	157	517	1,447	344	2,932	4,733	2,032	122	46,104	429	15,254	56,432	6,988	125,207
2008	0	602	0	0	0	0	0	166	0	0	36	805	202	15,864	1,234	68	18,172
2009	315	9,791	0	0	0	279	0	835	1,806	4,766	0	17,792	131	18,165	27,831	7,389	70,392
2010	175	17,604	0	95	98	1,497	0	748	3,440	1,504	0	25,168	0	24,237	72,701	22,989	145,677
2011	392	15,903	0	1,184	274	980	0	1,692	3,497	1,004	0	24,926	187	42,041	68,358	5,349	140,862
2012	1,798	23,396	0	611	280	665	0	1,796	3,331	2,492	0	34,370	109	26,786	52,081	3,903	117,249
2013	222	30,059	0	749	240	320	0	2,060	1,908	2,622	0	38,179	274	32,045	76,103	13,111	159,712
2014	303	15,589	0	133	645	132	0	1,474	4,260	1,534	0	24,071	0	35,004	43,558	5,630	108,263
2015	470	25,322	0	523	318	193	0	1,423	2,461	1,202	0	31,912	0	21,699	30,696	1,909	86,215
Averages:																	
Long Term	436	14,251	14	311	320	484	20	1,301	2,256	1,528	21	20,943	152	21,133	37,054	6,537	85,798
3-yr	332	23,657	0	468	401	215	0	1,652	2,876	1,786	0	31,387	91	29,583	50,119	6,883	118,063
% Change from:																	
Long Term	8.3	86.8	-100.0	75.6	-0.8	-61.5	-100.0	10.1	9.7	-22.4	-100.0	57.5	-100.0	2.9	-18.0	-72.0	0.5
3-yr	41.7	7.0	#DIV/0!	11.7	-20.7	-10.2	#DIV/0!	-13.9	-14.4	-32.7	#DIV/0!	1.7	-100.0	-26.6	-38.8	-72.3	-27.0
2014	55.1	62.4	#DIV/0!	293.2	-50.7	46.2	#DIV/0!	-3.5	-42.2	-21.6	#DIV/0!	32.6	#DIV/0!	-38.0	-29.5	-66.1	-20.4

**Redhead harvest by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	1,800	4,919	0	453	582	1,338	0	2,074	4,047	1,618	0	16,831	0	99,938	61,723	3,814	182,306
2000	1,482	4,056	70	1,134	514	431	0	2,569	2,818	1,744	0	14,818	164	86,745	48,608	7,457	157,792
2001	0	4,385	0	138	400	106	0	116	2,062	4,496	0	11,704	0	93,211	52,722	7,308	164,945
2002	514	4,160	0	678	1,241	402	0	383	1,947	1,385	0	10,711	206	29,557	27,564	2,324	70,363
2003	341	8,228	0	2,451	1,056	719	0	213	7,911	1,797	49	22,765	157	34,400	34,542	5,570	97,433
2004	910	9,581	116	2,042	376	1,204	0	0	4,804	3,104	0	22,137	81	35,093	35,334	5,196	97,842
2005	382	7,834	153	1,021	856	1,800	0	577	5,910	2,097	0	20,630	251	76,684	62,051	9,291	168,908
2006	1,645	9,111	161	1,261	749	1,338	53	1,615	7,755	2,256	405	26,349	0	79,324	69,500	1,984	177,157
2007	838	9,492	178	863	517	354	344	400	4,190	1,478	304	18,957	0	84,811	63,027	7,235	174,031
2008	877	7,026	0	2,451	490	440	292	333	3,434	2,333	0	17,675	101	51,439	43,108	7,359	119,683
2009	525	6,644	279	929	325	559	260	209	4,781	3,291	50	17,850	0	82,722	59,860	12,129	169,814
2010	1,110	7,654	90	1,799	392	2,473	35	281	5,261	2,041	0	21,146	0	88,548	109,001	24,127	244,060
2011	827	14,333	0	4,441	959	2,768	0	890	7,244	1,673	0	33,135	187	122,976	155,227	9,893	321,419
2012	806	14,623	0	3,210	980	1,130	231	629	5,863	1,780	583	29,834	0	137,357	99,179	19,394	285,764
2013	964	7,742	219	2,496	360	640	0	0	2,510	2,850	461	18,242	0	134,459	121,598	35,902	310,201
2014	682	3,897	1,007	3,589	967	265	154	491	3,508	2,124	194	16,879	0	164,665	122,872	27,319	331,736
2015	299	4,419	474	2,198	796	193	0	55	2,461	546	41	11,482	0	110,780	86,213	26,169	234,643
Averages:																	
Long Term	824	7,536	162	1,833	680	951	81	637	4,500	2,154	123	19,479	67	88,983	73,655	12,498	194,594
3-yr	648	5,353	567	2,761	708	366	51	182	2,826	1,840	232	15,534	0	136,635	110,228	29,797	292,193
% Change from:																	
Long Term	-65.1	-42.8	233.7	21.5	18.3	-80.7	-100.0	-91.8	-46.8	-75.8	-67.9	-42.5	-100.0	26.4	18.3	124.7	22.2
3-yr	-53.9	-17.4	-16.4	-20.4	12.5	-47.3	-100.0	-69.8	-12.9	-70.3	-82.3	-26.1	#DIV/0!	-18.9	-21.8	-12.2	-19.7
2014	-56.2	13.4	-52.9	-38.8	-17.7	-27.2	-100.0	-88.8	-29.8	-74.3	-78.9	-32.0	#DIV/0!	-32.7	-29.8	-4.2	-29.3

Ring-necked Duck harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	5,625	17,750	163	1,057	166	873	35	8,784	985	10,147	174	45,759	1,281	94,044	264,504	147,511	553,100
2000	4,445	11,334	1,120	1,221	343	431	0	7,322	1,000	6,478	0	33,694	573	108,912	257,504	95,470	496,154
2001	2,570	17,867	354	1,175	481	345	116	4,886	1,890	8,362	0	38,044	463	79,473	230,667	89,887	438,534
2002	3,133	16,134	376	1,054	689	626	237	4,794	1,168	6,510	0	34,721	1,239	73,501	239,065	96,626	445,152
2003	2,983	15,502	256	545	352	671	129	5,973	2,307	6,591	0	35,308	1,018	62,466	230,202	112,806	441,800
2004	2,891	31,356	695	3,305	470	695	97	6,580	2,252	8,138	95	56,574	1,776	67,115	233,979	74,349	433,794
2005	6,191	16,731	840	2,425	970	1,111	37	6,446	3,039	10,677	109	48,576	1,153	76,343	240,090	109,021	475,184
2006	4,760	24,501	1,694	1,787	499	1,338	0	21,169	1,551	12,459	405	70,164	1,100	87,114	353,705	144,491	656,574
2007	2,931	35,923	534	1,334	604	768	573	10,127	1,862	10,068	61	64,784	858	76,196	241,239	120,756	503,833
2008	1,597	25,295	0	1,593	784	831	365	12,640	1,373	5,445	0	49,922	505	67,091	251,356	131,811	500,686
2009	2,676	17,659	1,255	1,725	650	503	212	4,522	2,019	5,560	199	36,980	1,044	71,245	186,243	116,445	409,651
2010	2,103	36,930	720	1,420	392	716	71	10,847	3,845	3,331	0	60,390	757	67,869	268,407	94,349	491,063
2011	1,958	17,867	1,582	3,849	411	519	0	8,637	3,997	6,861	0	45,680	562	86,517	260,061	152,132	544,952
2012	3,844	26,077	400	4,891	1,120	1,395	0	8,172	11,593	9,256	583	67,331	543	79,329	3,246,588	179,582	651,443
2013	2,521	20,343	1,640	3,494	600	693	0	6,033	3,113	7,638	92	46,167	480	66,950	240,898	143,503	497,997
2014	1,289	17,110	288	5,717	967	530	154	8,985	3,508	7,200	145	45,892	214	83,392	250,727	117,852	498,057
2015	2,049	21,413	237	3,141	159	722	0	4,871	2,349	8,850	373	44,287	122	55,709	183,485	130,249	413,730
Averages:																	
Long Term	3,151	21,752	715	2,337	568	751	119	8,282	2,815	7,857	132	48,487	805	76,663	422,278	120,989	497,159
3-yr	1,953	19,622	722	4,117	575	648	51	6,630	2,990	7,896	203	45,449	272	68,684	225,037	130,528	469,928
% Change from:																	
Long Term	-36.4	-1.7	-68.2	37.3	-73.2	-4.1	-100.0	-42.7	-17.4	13.5	220.3	-9.2	-85.6	-28.6	-58.0	8.2	-17.6
3-yr	4.9	9.1	-67.2	-23.7	-72.4	11.4	-100.0	-26.5	-21.4	12.1	83.4	-2.6	-55.1	-18.9	-18.5	-0.2	-12.0
2014	59.0	25.1	-17.7	-45.1	-83.6	36.2	-100.0	-45.8	-33.0	22.9	157.2	-3.5	-43.0	-33.2	-26.8	10.5	-16.9

**Lesser Scaup harvest by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	113	9,624	0	453	748	0	0	7,930	3,282	6,470	0	28,620	641	37,744	80,808	64,263	212,075
2000	185	12,646	210	872	2,399	129	0	8,222	2,091	3,862	0	30,616	737	83,331	184,008	32,331	331,022
2001	214	13,921	0	276	2,323	80	0	5,467	1,633	5,845	0	29,758	463	71,917	170,824	111,237	384,200
2002	514	11,872	94	828	2,343	268	0	8,533	3,505	3,601	0	31,559	1,307	87,438	182,132	85,457	387,893
2003	213	12,998	0	1,634	704	240	43	6,969	10,054	5,317	0	38,171	861	45,008	145,607	60,939	290,587
2004	268	25,956	116	2,430	1,316	232	0	7,934	2,552	10,655	0	51,459	888	66,799	108,534	54,891	282,571
2005	688	8,366	76	3,190	970	153	0	5,772	3,799	5,053	0	28,067	1,404	54,442	111,357	63,698	258,968
2006	87	4,679	81	1,787	499	84	0	10,764	3,826	12,165	203	34,173	550	50,948	101,219	46,619	233,508
2007	419	18,400	178	706	690	236	286	15,724	4,966	9,606	182	51,393	613	40,662	84,791	46,594	224,053
2008	227	14,454	0	868	392	195	0	5,322	2,649	3,014	0	27,111	303	29,015	97,340	25,791	179,561
2009	1,732	13,113	0	265	433	168	330	5,078	2,125	6,922	50	30,216	392	44,953	111,522	35,908	222,066
2010	234	9,376	0	757	196	260	0	5,236	3,440	3,653	0	23,171	605	39,557	157,274	67,005	287,888
2011	566	7,657	365	1,332	411	115	0	3,740	1,998	5,857	0	22,041	750	43,537	114,903	46,195	227,427
2012	1,488	32,901	0	2,446	1,820	465	77	8,262	4,264	10,857	0	62,580	217	110,847	307,579	153,057	634,281
2013	1,335	18,217	984	3,744	240	107	0	3,973	4,418	7,524	0	40,541	822	46,632	97,873	60,416	246,285
2014	417	16,635	144	3,457	483	132	0	5,756	1,754	8,734	97	37,609	427	72,730	156,083	55,076	321,925
2015	213	15,635	0	105	159	337	0	4,214	2,685	4,917	124	28,553	163	41,686	118,419	37,647	226,304
Averages:																	
Long Term	524	14,497	132	1,479	949	188	43	6,994	3,473	6,709	39	35,038	655	56,897	137,075	61,596	291,213
3-yr	655	16,829	376	2,435	294	192	0	4,648	2,952	7,058	74	35,568	471	53,683	124,125	51,046	264,838
% Change from:																	
Long Term	-60.8	8.4	-100.0	-93.3	-84.1	88.2	-100.0	-41.2	-23.8	-27.9	272.9	-19.4	-76.2	-27.9	-14.3	-40.3	-23.4
3-yr	-67.5	-7.1	-100.0	-95.7	-45.9	75.5	#DIV/0!	-9.3	-9.1	-30.3	68.3	-19.7	-65.4	-22.3	-4.6	-26.2	-14.6
2014	-48.9	-6.0	-100.0	-97.0	-67.1	155.3	#DIV/0!	-26.8	53.1	-43.7	27.8	-24.1	-61.8	-42.7	-24.1	-31.6	-29.7

Greater Scaup harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.	
1999	0	2,780	0	302	0	0	0	14,518	328	1,029	0	18,958	400	2,803	9,272	8,305	39,739	
2000	0	2,983	70	87	171	0	0	12,204	182	3,114	0	18,811	573	2,446	19,085	12,850	53,766	
2001	0	6,248	0	0	0	0	0	4,188	344	4,586	0	15,365	371	1,802	8,603	8,505	34,646	
2002	0	4,262	0	452	69	89	0	8,533	243	5,541	44	19,232	757	3,740	29,228	17,639	70,596	
2003	85	4,412	0	136	0	96	0	6,187	82	4,419	0	15,417	705	1,257	13,032	17,344	47,754	
2004	161	10,278	116	389	47	0	0	5,677	450	5,034	0	22,151	807	3,667	28,056	16,837	71,518	
2005	76	2,789	0	255	57	0	0	4,137	422	3,909	68	11,645	802	2,518	24,812	18,237	58,014	
2006	0	862	0	105	166	0	0	6,458	207	4,709	122	32,139	550	2,678	21,454	10,523	47,780	
2007	42	4,819	0	549	98	0	0	22,787	310	3,510	0	11,211	303	2,963	21,964	13,154	70,833	
2008	97	1,606	0	368	0	0	0	6,320	0	2,722	0	15,686	587	2,656	24,649	10,646	49,465	
2009	157	4,196	139	1,061	0	0	24	5,009	106	4,993	0	18,495	2,421	1,505	24,567	12,794	55,139	
2010	0	4,592	0	663	0	0	0	6,452	202	6,554	0	18,495	844	1,573	23,691	23,535	69,782	
2011	44	393	0	1,628	0	0	0	6,589	0	6,526	0	15,180	326	3,455	33,660	6,265	59,423	
2012	124	12,673	100	917	0	66	0	11,854	400	9,434	0	35,568	326	1,807	40,968	19,231	97,900	
2013	74	1,974	109	624	0	53	0	1,545	100	1,710	0	6,190	343	3,401	49,064	23,227	82,224	
2014	0	2,947	0	2,393	0	0	0	3,089	0	2,124	0	10,553	285	3,629	37,927	9,700	62,093	
2015	0	1,190	0	209	0	0	0	1,587	112	2,622	0	6,655	935	3,340	25,053	5,202	40,251	
Averages:																		
Long Term	51	4,059	31	596	36	18	1	7,478	205	4,267	14	16,814	684	2,661	25,594	13,764	59,466	
3-yr	25	2,037	36	1,075	0	18	0	2,074	71	2,152	0	7,799	521	3,457	37,348	12,710	61,523	
% Change from:																		
Long Term	-100.0	-71.9	-100.0	-66.3	-100.0	-100.0	-100.0	-79.8	-46.9	-40.0	-100.0	-61.9	40.0	27.5	-2.2	-63.6	-33.7	
3-yr	-100.0	-41.6	-100.0	-80.6	#DIV/0!	-100.0	#DIV/0!	-23.5	58.5	21.8	#DIV/0!	-14.7	79.5	-3.4	-32.9	-59.1	-34.6	
2014	#DIV/0!	-59.6	#DIV/0!	-91.3	#DIV/0!	#DIV/0!	#DIV/0!	-48.6	#DIV/0!	23.4	#DIV/0!	-36.9	228.1	-8.0	-33.9	-46.4	-35.2	



**Bufflehead harvest by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	1,800	5,026	0	1,359	249	407	35	7,930	328	12,794	87	30,016	481	12,129	96,367	61,312	200,305
2000	1,111	4,176	140	174	171	172	0	8,222	727	4,734	0	19,628	983	13,386	48,726	48,332	131,065
2001	749	5,371	0	138	160	451	0	9,655	1,976	9,351	0	27,852	1,019	14,275	61,896	40,392	145,435
2002	1,284	7,509	94	2,109	620	760	0	8,149	2,190	3,809	0	26,525	1,376	11,130	79,260	60,774	179,065
2003	256	9,897	0	1,089	302	431	43	9,600	6,181	8,163	0	35,962	705	9,564	75,904	54,571	176,706
2004	107	15,852	116	1,847	470	278	0	14,578	1,727	8,977	0	43,952	1,615	13,436	59,789	52,265	171,058
2005	688	7,170	0	510	171	536	37	5,388	4,306	7,531	490	26,827	2,407	14,514	42,024	55,941	141,713
2006	779	7,387	0	1,156	250	195	0	14,172	2,068	8,731	405	35,144	894	15,509	78,889	60,927	191,362
2007	1,256	12,851	0	863	345	502	0	15,458	3,724	7,112	851	42,962	1,226	13,576	60,383	79,340	197,487
2008	909	12,246	0	2,451	196	440	0	16,964	2,256	6,222	36	41,720	1,010	14,459	101,118	84,702	243,010
2009	2,519	12,589	139	2,653	433	670	47	8,904	1,487	4,993	50	34,485	1,109	22,552	91,175	84,532	231,902
2010	526	9,185	0	4,165	392	781	0	4,582	1,012	4,298	278	25,239	1,665	16,790	79,651	76,125	199,466
2011	1,001	6,675	365	7,402	548	115	0	9,082	749	8,367	0	34,305	2,156	26,060	78,145	74,295	214,960
2012	868	13,160	0	4,586	140	266	0	10,866	2,265	16,909	0	49,060	977	13,703	67,418	115,572	246,730
2013	964	12,752	0	3,994	840	213	0	3,531	2,309	8,549	92	33,246	1,987	15,426	88,370	84,955	223,984
2014	493	18,346	0	3,324	967	662	0	5,545	376	10,150	48	39,911	641	16,438	70,647	78,452	206,089
2015	854	17,674	0	2,094	796	626	0	3,120	559	12,347	0	38,435	366	26,185	73,064	70,999	208,683
Averages:																	
Long Term	951	10,463	50	2,348	415	441	10	9,162	2,014	8,414	137	34,428	1,213	15,831	73,696	69,617	194,648
3-yr	770	16,257	0	3,137	868	500	0	4,065	1,081	10,349	47	37,197	998	19,350	77,360	78,135	212,919
% Change from:																	
Long Term	-10.8	76.5	-100.0	-11.4	103.6	45.6	-100.0	-67.3	-73.4	51.2	-100.0	12.5	-71.1	72.4	-0.9	2.1	7.7
3-yr	10.9	8.7	#DIV/0!	-33.3	-8.3	25.1	#DIV/0!	-23.3	-48.3	19.3	-100.0	3.3	-63.3	35.3	-5.6	-9.1	-2.0
2014	73.2	-3.7	#DIV/0!	-37.0	-17.7	-5.4	#DIV/0!	-43.7	48.7	21.6	-100.0	-3.7	-42.9	59.3	3.4	-9.5	1.3

Ruddy Duck harvest by State and Flyway from the Harvest Information Program, 1999-current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	338	3,743	0	0	333	6,109	0	610	328	147	0	11,607	0	7,409	16,403	29,188	64,607
2000	0	1,193	0	174	257	259	0	128	727	125	0	2,863	0	5,906	6,418	11,029	26,217
2001	0	2,302	0	138	80	663	0	116	2,062	90	0	5,452	0	4,073	4,609	7,206	21,339
2002	154	1,725	0	301	138	268	0	0	292	0	0	2,879	0	2,020	4,479	7,288	16,665
2003	426	2,743	0	272	201	383	0	213	1,319	75	0	5,632	0	1,748	10,943	2,474	20,797
2004	161	3,484	0	194	188	93	0	258	1,802	168	0	6,347	81	2,009	5,227	4,307	17,971
2005	306	2,257	0	255	0	575	0	481	1,773	95	0	5,742	0	2,489	4,235	11,709	24,175
2006	260	3,571	0	0	83	111	0	718	2,378	294	0	7,415	0	4,918	20,250	7,026	39,609
2007	1,005	2,921	0	0	259	325	0	400	698	462	61	6,130	0	3,837	10,891	8,679	29,538
2008	357	3,814	0	123	0	98	0	0	294	194	0	4,880	0	2,485	10,970	11,860	30,195
2009	1,050	4,196	0	133	325	56	0	139	637	0	0	6,536	0	7,268	12,243	9,275	34,904
2010	993	12,438	0	0	0	325	0	187	3,035	0	69	17,048	0	8,105	8,366	21,427	55,268
2011	566	6,283	0	0	0	750	0	623	999	167	61	9,449	0	10,050	21,717	5,531	46,746
2012	1,302	5,362	0	0	980	199	0	359	2,532	0	0	10,734	0	5,311	20,443	14,397	50,885
2013	742	12,904	0	374	0	160	0	368	1,004	114	0	15,666	0	7,332	8,933	14,353	46,285
2014	720	7,605	288	0	161	530	0	211	2,130	826	145	12,615	0	10,124	20,930	17,401	61,070
2015	1,025	4,758	0	0	0	482	0	985	895	109	0	8,254	0	5,955	4,805	6,713	25,727
Averages:																	
Long Term	553	4,782	17	116	177	670	0	341	1,347	169	20	8,191	5	5,355	11,286	11,168	36,000
3-yr	829	8,422	96	125	54	391	0	521	1,343	350	48	12,178	0	7,804	11,556	12,822	44,361
% Change from:																	
Long Term	95.7	-0.5	-100.0	-100.0	-100.0	-29.3	#DIV/0!	227.6	-34.9	-36.7	-100.0	0.8	-100.0	12.0	-58.9	-41.4	-29.8
3-yr	23.6	-43.5	-100.0	-100.0	-100.0	23.4	#DIV/0!	88.9	-33.4	-68.8	-100.0	-32.2	#DIV/0!	-23.7	-58.4	-47.6	-42.0
2014	42.4	-37.4	-100.0	#DIV/0!	-100.0	-9.1	#DIV/0!	366.8	-58.0	-86.8	-100.0	-34.6	#DIV/0!	-41.2	-77.0	-61.4	-57.9

**Common Goldeneye harvest by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	113	1,818	488	1,813	1,746	175	0	732	2,407	4,706	697	14,692	721	2,959	22,587	9,690	50,649
2000	185	3,698	280	2,879	2,313	43	0	1,413	4,909	1,744	0	17,464	1,638	8,080	18,055	11,481	56,718
2001	107	4,165	71	553	1,121	239	0	1,978	2,406	1,978	0	12,618	463	6,118	23,406	6,014	48,619
2002	616	2,537	188	10,015	4,342	402	0	863	9,054	2,078	0	30,095	2,683	8,343	35,658	12,156	88,936
2003	341	3,935	895	4,629	2,161	431	43	1,138	24,641	2,621	0	40,835	1,096	11,678	28,299	13,439	95,348
2004	642	4,703	1,159	5,055	1,222	556	0	1,097	5,405	3,608	0	23,447	1,696	7,888	30,290	13,036	76,357
2005	306	3,585	153	4,594	1,369	115	334	770	6,669	5,911	381	24,186	1,755	3,326	23,420	18,760	71,448
2006	87	3,201	807	9,670	2,081	223	107	5,203	4,963	7,946	1,148	35,435	1,031	7,792	19,622	12,542	76,421
2007	251	5,841	1,512	7,611	776	325	0	3,998	2,793	4,341	425	27,873	1,226	8,093	26,478	14,739	78,409
2008	1,039	3,413	411	7,965	784	440	110	3,493	5,396	2,819	503	26,372	404	4,985	29,540	15,762	77,064
2009	1,889	8,393	1,813	9,551	1,733	391	401	3,200	2,019	3,518	2,190	35,097	1,044	7,516	30,017	12,747	84,342
2010	58	4,401	2,069	3,881	2,158	130	35	935	3,642	2,256	0	19,577	1,059	10,887	33,577	14,424	77,704
2011	566	6,479	1,946	9,919	2,192	58	0	1,336	2,248	4,685	0	29,429	1,312	9,221	39,306	12,463	91,731
2012	372	4,630	0	6,420	3,780	133	77	988	800	7,298	0	24,497	1,411	12,153	26,055	12,687	76,804
2013	742	677	1,203	15,351	3,121	213	161	145	5,322	920	92	27,946	1,370	8,377	29,593	14,689	81,976
2014	341	296	288	7,445	17,563	0	154	111	2,631	477	145	29,452	855	6,624	32,910	7,730	77,571
2015	256	138	0	7,537	7,001	0	283	97	3,580	561	373	19,990	163	6,341	25,123	6,784	58,238
Averages:																	
Long Term	465	3,642	781	6,758	3,263	228	100	1,617	5,229	3,380	350	25,824	1,172	7,669	27,879	12,303	74,608
3-yr	446	370	497	10,111	9,228	71	199	118	3,844	653	203	25,796	796	7,114	29,209	9,734	72,595
% Change from:																	
Long Term	-46.5	-96.4	-100.0	12.3	131.1	-100.0	218.4	-94.3	-32.9	-84.2	6.9	-23.7	-86.8	-18.2	-10.4	-46.4	-23.0
3-yr	-42.6	-62.7	-100.0	-25.5	-24.1	-100.0	42.0	-17.6	-6.9	-14.0	83.4	-22.5	-79.5	-10.9	-14.0	-30.3	-19.8
2014	-24.9	-53.4	-100.0	1.2	-60.1	#DIV/0!	83.8	-12.6	36.1	17.6	157.2	-32.1	-80.9	-4.3	-23.7	-12.2	-24.9

Barrow's Goldeneye harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	107	0	302	83	58	0	122	219	1,176	87	2,155	1,682	249	0	0	4,086
2000	0	239	70	960	1,028	0	0	771	909	374	0	4,350	1,720	70	0	58	6,198
2001	0	219	0	415	0	27	0	0	430	539	0	1,629	649	357	0	83	2,718
2002	0	101	0	452	620	0	0	0	341	277	0	1,791	2,477	44	0	27	4,339
2003	0	119	0	0	151	48	0	427	165	524	0	1,434	3,837	99	0	0	5,369
2004	0	0	0	875	282	0	0	194	525	1,258	0	3,134	1,938	0	0	0	5,072
2005	0	0	0	1,021	171	0	0	1,058	253	1,239	218	3,961	1,153	54	0	78	5,247
2006	0	0	0	736	832	0	0	538	0	981	473	3,560	962	68	285	201	5,075
2007	0	292	0	157	517	30	0	400	0	924	0	2,319	1,471	122	0	0	3,912
2008	32	0	0	3,063	392	0	0	1,164	98	194	0	4,945	4,243	36	0	123	9,348
2009	52	699	0	929	108	0	0	278	106	227	50	2,450	1,631	100	0	170	4,302
2010	0	0	90	189	0	0	0	655	0	322	0	1,258	1,665	90	0	221	3,142
2011	0	196	122	1,184	274	0	0	890	500	1,004	0	4,170	1,406	667	0	11	6,254
2012	0	0	0	459	140	0	0	269	133	1,246	0	2,247	2,171	1,555	0	0	5,972
2013	148	66	0	749	0	0	0	10	0	184	0	1,156	1,576	1,937	0	0	4,669
2014	0	35	0	532	806	0	0	120	125	111	0	1,729	2,279	161	0	154	4,323
2015	0	11	0	628	796	0	0	58	0	39	0	2,345	813	0	0	31	2,376
Averages:																	
Long Term	14	123	17	744	365	10	0	409	224	625	49	2,625	1,863	330	17	68	4,847
3-yr	49	37	0	636	534	0	0	63	42	111	0	1,743	1,556	699	0	62	3,789
% Change from:																	
Long Term	-100.0	-91.5	-100.0	-16.4	135.7	-100.0	#DIV/0!	-86.5	-100.0	-94.1	-100.0	-11.3	-57.8	-100.0	-100.0	-56.0	-52.5
3-yr	-100.0	-70.5	#DIV/0!	-1.3	49.1	#DIV/0!	#DIV/0!	-7.4	-100.0	-65.0	#DIV/0!	34.5	-47.8	-100.0	#DIV/0!	-49.7	-37.3
2014	#DIV/0!	-68.6	#DIV/0!	18.0	-1.2	#DIV/0!	#DIV/0!	-51.7	-100.0	-64.9	#DIV/0!	35.6	-64.3	-100.0	#DIV/0!	-79.9	-45.0

Surf Scoter harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	107	0	0	0	0	0	244	0	294	0	645	2,132	182	3,029	8,633	14,620
2000	0	119	0	0	0	0	0	128	0	997	0	1,244	2,450	70	271	12,798	16,833
2001	0	219	0	0	0	0	0	0	0	1,259	0	1,478	0	80	332	15,044	16,934
2002	0	0	0	75	0	45	0	479	49	2,078	0	2,726	0	120	949	14,513	18,308
2003	43	119	0	0	0	0	0	71	0	150	0	383	0	173	1,145	38,507	40,209
2004	0	523	0	0	0	0	0	452	0	1,594	0	2,568	618	117	520	30,820	34,643
2005	0	398	0	0	0	0	0	481	84	2,097	0	3,061	1,211	0	1,591	21,057	26,920
2006	0	123	0	0	0	0	0	200	0	1,766	0	2,089	215	83	566	29,078	32,032
2007	0	1,314	89	0	86	30	0	171	0	2,032	0	3,722	2,375	182	1,691	29,033	37,003
2008	0	1,400	0	0	0	0	0	100	0	2,722	0	4,222	6,477	0	367	29,316	40,382
2009	0	900	0	0	0	0	0	225	106	4,425	0	5,656	592	113	1,647	25,915	33,924
2010	0	5,092	0	0	0	0	0	208	0	1,182	0	6,487	1,196	129	1,407	13,462	22,676
2011	0	306	0	0	0	0	0	180	0	4,351	0	4,837	1,492	0	1,607	27,740	35,675
2012	0	683	0	0	0	133	0	221	0	3,204	0	4,240	5,023	283	1,220	24,942	35,709
2013	0	197	0	0	0	0	0	10	100	391	0	698	2,510	0	1,350	12,294	16,852
2014	0	84	0	0	0	0	0	120	0	143	0	347	1,033	167	3,143	20,578	25,267
2015	0	37	0	0	0	0	0	13	0	97	0	1,791	1,644	41	1,352	23,203	26,387
Averages:																	
Long Term	3	684	5	4	5	12	0	194	20	1,693	0	2,717	1,704	102	1,305	22,173	27,904
3-yr	0	106	0	0	0	0	0	48	33	210	0	945	1,729	69	1,948	18,692	22,835
% Change from:																	
Long Term	-100.0	-94.9	-100.0	-100.0	-100.0	-100.0	#DIV/0!	-93.7	-100.0	-94.6	#DIV/0!	-35.5	-3.7	-61.4	3.8	5.0	-5.8
3-yr	#DIV/0!	-65.1	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-72.7	-100.0	-53.9	#DIV/0!	89.5	-4.9	-40.9	-30.6	24.1	15.6
2014	#DIV/0!	-56.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-89.2	#DIV/0!	-32.2	#DIV/0!	416.1	59.1	-75.4	-57.0	12.8	4.4

White-winged Scoter harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	0	0	0	0	0	0	0	0	294	0	294	834	182	0	2,044	3,354
2000	0	0	0	0	0	0	0	0	0	0	0	0	1,225	86	0	4,611	5,922
2001	0	110	0	0	0	0	0	0	0	360	0	469	2,900	0	1,529	7,665	12,563
2002	0	0	0	0	0	0	0	0	0	831	0	831	2,900	212	813	6,257	8,113
2003	0	0	0	0	0	0	0	0	0	599	0	599	1,622	159	1,903	6,822	11,106
2004	0	0	0	0	0	0	0	0	0	671	0	671	1,124	0	2,877	6,058	9,730
2005	0	0	0	0	0	0	0	0	0	286	0	286	1,140	113	793	4,215	6,547
2006	0	0	0	0	0	0	0	0	103	392	0	496	2,369	0	697	8,725	12,288
2007	0	146	0	0	0	0	0	29	0	739	0	914	1,583	0	1,218	4,294	8,010
2008	0	0	0	0	0	0	0	0	0	1,653	0	1,653	0	0	336	5,643	7,632
2009	0	0	0	0	0	0	0	75	0	3,858	0	3,933	0	172	1,777	2,860	8,742
2010	0	0	0	0	0	0	0	104	0	215	0	320	598	0	1,118	5,359	7,993
2011	0	0	0	0	0	58	0	90	0	3,347	0	3,494	746	0	3,965	3,575	11,780
2012	0	0	0	0	0	0	0	0	0	178	0	178	0	181	2,362	1,841	4,561
2013	0	22	0	125	0	0	0	0	0	46	0	193	0	0	1,482	5,434	7,109
2014	0	5	0	0	0	0	0	0	0	111	0	116	1,240	118	4,827	2,905	9,206
2015	43	3	0	0	0	0	0	0	0	19	0	2,804	2,739	108	1,473	3,098	7,483
Averages:																	
Long Term	3	17	0	7	0	3	0	18	6	800	0	1,015	1,007	78	1,598	4,789	8,326
3-yr	14	10	0	42	0	0	0	0	0	59	0	1,038	1,326	75	2,594	3,812	7,933
% Change from:																	
Long Term	#DIV/0!	-83.0	#DIV/0!	-100.0	#DIV/0!	-100.0	#DIV/0!	-100.0	-100.0	-97.8	#DIV/0!	210.5	204.7	41.3	-8.3	-36.7	-10.7
3-yr	200.0	-70.0	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-67.6	#DIV/0!	170.2	106.5	43.4	-43.2	-18.7	-5.7
2014	#DIV/0!	-40.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-82.9	#DIV/0!	2,317.2	120.9	-8.5	-69.5	6.6	-18.7

**Black Scoter harvest by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	0	0	0	0	0	0	0	0	0	0	0	741	195	1,114	6,815	8,866
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,051	4,651	5,702
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	865	3,691	4,556
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	785	8,523	9,308
2003	0	0	0	0	0	0	0	0	0	0	0	0	811	0	1,779	17,945	20,435
2004	0	0	0	0	0	0	0	0	0	0	0	0	1,360	126	889	11,425	13,800
2005	0	0	0	0	0	0	0	0	0	0	0	0	1,140	311	2,537	16,853	20,530
2006	0	0	0	0	0	0	0	0	0	0	0	0	215	127	619	8,498	9,644
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	194	1,529	7,466	9,122
2008	0	0	0	0	0	0	0	0	0	194	0	194	0	0	883	5,172	6,249
2009	0	0	0	0	0	0	0	0	0	0	0	0	1,183	331	176	7,923	9,613
2010	0	0	0	0	0	0	0	0	0	0	0	0	598	0	611	14,902	16,111
2011	0	0	0	0	0	0	0	0	0	167	0	167	0	0	442	14,022	14,632
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407	11,635	12,042
2013	0	87	0	0	0	0	0	0	0	0	0	87	2,092	0	260	21,219	23,658
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	194	1,339	7,794	9,327
2015	0	0	0	0	0	0	0	0	0	0	0	548	548	0	276	16,873	17,697
Averages:																	
Long Term	0	5	0	0	0	0	0	0	0	21	0	59	511	76	915	10,900	12,429
3-yr	0	29	0	0	0	0	0	0	0	0	0	212	880	65	625	15,295	16,894
% Change from:																	
Long Term	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	1,857.1	7.7	-100.0	-71.1	60.3	46.3
3-yr	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	158.9	-37.7	-100.0	-55.8	10.3	4.8
2014	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	-79.4	116.5	89.7

Long-tailed Duck harvest by State and Flyway from the Harvest Information Program, 1999-current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	0	0	0	0	0	0	0	0	147	0	147	0	0	242	14,718	15,107
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	722	12,882	13,604
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	193	20,045	20,238
2002	0	0	0	0	0	0	0	0	0	416	0	416	0	47	435	14,905	15,803
2003	0	0	0	136	0	0	0	71	0	225	0	432	811	0	2,024	17,627	20,893
2004	0	0	0	97	0	0	0	0	0	252	0	349	124	47	4,928	20,909	26,356
2005	0	0	0	0	0	0	0	0	84	0	0	84	0	170	4,928	14,999	20,181
2006	0	0	0	105	0	0	0	0	0	196	0	301	215	0	9,070	18,196	27,783
2007	0	146	0	78	0	0	0	0	0	462	0	686	0	0	2,840	26,521	30,047
2008	0	0	0	0	0	0	0	0	0	486	0	486	0	151	7,690	28,686	37,012
2009	0	100	0	133	0	0	0	0	0	567	0	800	592	0	5,530	15,260	22,182
2010	58	0	0	0	0	0	0	0	0	0	0	58	598	0	9,740	15,844	26,241
2011	0	0	0	0	0	0	0	0	0	0	0	0	746	61	4,776	10,698	16,281
2012	0	0	0	0	0	0	0	0	0	356	0	356	0	0	6,493	21,677	28,525
2013	0	0	0	0	0	0	0	0	0	23	0	23	0	0	12,899	16,302	29,224
2014	0	0	0	0	0	0	0	0	0	0	0	0	207	194	1,774	11,053	13,226
2015	0	0	0	105	0	0	0	0	0	19	0	398	274	0	11,409	18,619	30,427
Averages:																	
Long Term	3	14	0	38	0	0	0	4	5	185	0	267	210	39	5,041	17,585	23,125
3-yr	0	0	0	35	0	0	0	0	0	14	0	140	160	65	8,694	15,325	24,292
% Change from:																	
Long Term	-100.0	-100.0	#DIV/0!	206.0	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	-100.0	-90.3	#DIV/0!	53.9	33.1	-100.0	145.7	6.3	34.2
3-yr	#DIV/0!	#DIV/0!	#DIV/0!	200.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	35.7	#DIV/0!	183.6	70.9	-100.0	31.2	21.5	25.3
2014	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	32.4	-100.0	543.1	68.5	130.1



Harlequin Duck harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	0	0	0	0	0	0	0	0	441	0	441	0	0	0	0	441
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	71	0	0	0	0	0	0	0	0	71	0	0	0	0	71
2002	0	0	0	0	0	0	0	0	0	69	0	69	2,265	0	0	0	2,334
2003	0	0	0	136	0	0	0	0	0	84	0	136	811	0	764	0	1,712
2004	0	0	0	0	0	0	0	0	0	84	0	84	2,225	0	0	0	2,309
2005	0	0	0	0	0	0	0	0	0	0	0	0	1,425	0	0	0	1,425
2006	0	0	0	0	0	0	0	0	0	98	0	98	862	0	0	0	960
2007	0	0	0	0	0	0	0	0	0	92	0	92	2,375	0	0	0	2,467
2008	0	0	0	0	0	0	0	0	0	0	0	0	864	0	0	0	864
2009	0	0	0	0	0	0	0	0	0	113	0	113	592	0	0	0	705
2010	0	0	0	0	0	0	0	0	0	0	0	0	4,784	0	0	0	4,784
2011	0	0	0	0	0	0	0	0	0	0	0	0	2,237	0	0	0	2,237
2012	0	0	0	0	0	0	0	0	0	0	0	0	718	0	0	0	718
2013	0	0	0	0	0	0	0	0	0	0	0	0	1,673	0	0	0	1,673
2014	0	0	0	0	0	0	0	0	0	16	0	16	620	0	0	0	636
2015	0	3	0	0	0	0	0	0	0	39	0	590	548	0	0	0	589
Averages:																	
Long Term	0	0	4	8	0	0	0	0	0	56	0	101	1,294	0	45	0	1,407
3-yr	0	1	0	0	0	0	0	0	0	18	0	202	947	0	0	0	966
% Change from:																	
Long Term	#DIV/0!	#DIV/0!	-100.0	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-31.7	#DIV/0!	742.9	-59.1	#DIV/0!	-100.0	#DIV/0!	-59.6
3-yr	#DIV/0!	200.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	112.7	#DIV/0!	192.1	-42.1	#DIV/0!	#DIV/0!	#DIV/0!	-39.0
2014	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	143.8	#DIV/0!	3,587.5	-11.6	#DIV/0!	#DIV/0!	#DIV/0!	-7.4

Common Merganser harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.	
1999	0	0	163	755	0	116	0	488	547	441	87	2,598	93	344	4,792	6,314	14,140	
2000	926	716	0	523	514	86	221	514	3,455	125	0	7,080	1,225	1,292	3,718	9,064	22,379	
2001	214	110	141	207	240	106	0	1,163	1,203	1,169	0	4,554	0	1,543	4,538	3,863	14,498	
2002	154	0	47	75	207	89	39	1,630	633	485	0	3,359	0	2,458	8,214	12,161	26,192	
2003	298	715	0	681	201	144	0	996	2,307	374	0	5,717	1,352	2,106	5,393	12,038	26,606	
2004	0	697	463	681	329	0	194	903	751	671	0	4,689	1,855	1,462	4,725	9,392	22,122	
2005	76	133	153	0	57	38	0	2,598	84	572	0	3,711	214	301	3,448	6,280	13,954	
2006	87	862	0	105	166	0	160	538	1,241	589	0	3,748	1,508	1,877	3,415	6,723	17,270	
2007	586	438	89	157	1,293	59	57	2,399	233	1,386	0	6,697	1,187	687	2,089	8,770	19,430	
2008	32	0	0	735	784	0	37	1,331	883	583	36	4,421	1,295	302	4,296	11,063	21,378	
2009	210	699	139	531	325	503	212	904	850	113	100	4,587	592	1,298	1,892	9,629	17,880	
2010	409	191	90	284	0	0	0	1,496	1,416	215	0	4,103	598	589	2,031	11,369	18,599	
2011	479	196	0	148	137	58	0	1,158	500	1,506	0	4,181	0	696	7,243	5,578	17,698	
2012	248	731	300	459	140	199	0	988	133	1,068	0	4,266	2,153	759	1,284	6,994	15,454	
2013	74	455	219	374	120	0	0	515	1,104	798	0	3,660	418	1,049	5,956	7,588	18,671	
2014	227	665	0	266	967	0	0	913	1,879	1,062	97	6,076	1,240	904	6,464	4,372	19,056	
2015	128	340	0	209	1,114	48	0	876	224	546	0	4,581	1,096	308	4,107	5,534	14,530	
Averages:																		
Long Term	244	409	106	364	388	85	54	1,142	1,026	688	19	4,590	872	1,057	4,330	8,043	18,815	
3-yr	143	487	73	283	734	16	0	768	1,069	802	32	4,772	918	754	5,509	5,831	17,419	
% Change from:																		
Long Term	-49.1	-17.7	-100.0	-44.1	225.3	-45.1	-100.0	-24.4	-79.2	-21.7	-100.0	-0.2	27.7	-72.1	-5.4	-32.5	-23.9	
3-yr	-10.5	-30.1	-100.0	-26.1	51.8	200.0	#DIV/0!	14.1	-79.0	-31.9	-100.0	-4.0	19.4	-59.1	-25.4	-5.1	-16.6	
2014	-43.6	-48.9	#DIV/0!	-21.4	15.2	#DIV/0!	#DIV/0!	-4.1	-88.1	-48.6	-100.0	-24.6	-11.6	-65.9	-36.5	26.6	-23.8	

Red-breasted Merganser harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	0	0	0	0	0	0	244	219	147	0	610	0	756	3,381	8,778	13,525
2000	0	0	0	87	86	0	0	0	1,091	0	0	1,264	0	1,013	3,254	5,583	11,114
2001	0	0	0	0	0	0	0	0	601	0	0	601	0	964	2,922	6,426	10,913
2002	0	0	0	75	69	0	0	96	97	0	0	337	0	1,272	2,649	8,914	13,173
2003	0	0	0	0	0	0	0	0	577	0	0	577	1,893	173	4,040	10,786	17,469
2004	0	0	0	0	0	0	0	65	375	0	0	440	495	1,696	4,082	10,337	17,050
2005	0	133	0	0	0	0	0	0	507	95	0	735	71	764	716	11,781	14,067
2006	0	0	0	0	0	0	0	0	724	98	0	822	215	114	2,782	13,078	17,011
2007	42	0	0	0	0	0	0	0	233	462	0	736	1,979	0	2,581	7,643	12,940
2008	0	0	0	123	0	0	0	166	196	97	0	582	864	392	3,843	10,824	16,505
2009	0	175	0	0	0	0	0	209	212	227	0	823	3,550	278	5,642	12,681	22,835
2010	0	0	0	0	0	130	0	281	202	108	0	721	0	107	3,224	7,860	12,108
2011	0	0	0	0	0	0	0	0	0	0	0	0	746	286	6,125	10,289	17,447
2012	0	0	0	153	0	0	0	90	0	178	0	421	718	422	5,930	12,168	19,659
2013	74	0	0	0	0	0	0	0	0	0	0	74	837	0	7,218	8,323	16,452
2014	0	0	0	0	161	0	0	0	0	0	48	210	1,033	558	6,347	5,201	13,349
2015	0	170	0	0	0	0	0	0	0	0	0	718	548	2,099	19,901	5,106	27,824
Averages:																	
Long Term	7	28	0	26	19	8	0	68	296	83	3	569	762	641	4,979	9,163	16,085
3-yr	25	57	0	0	54	0	0	0	0	0	16	334	806	886	11,155	6,210	19,208
% Change from:																	
Long Term	-100.0	783.1	#DIV/0!	-100.0	-100.0	-100.0	#DIV/0!	-100.0	-100.0	-100.0	-100.0	28.3	-29.3	281.8	391.9	-45.8	81.3
3-yr	-100.0	200.0	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	115.0	-32.0	137.0	78.4	-17.8	44.9
2014	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	241.9	-47.0	276.2	213.5	-1.8	108.4

Hooded Merganser harvest by State and Flyway from the Harvest Information Program, 1999-current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	1,069	0	151	249	58	0	1,220	0	2,059	0	4,807	0	12,798	46,577	29,269	93,451
2000	185	1,551	0	785	171	86	0	1,285	91	747	0	4,902	82	8,450	44,927	35,960	94,321
2001	0	1,754	0	207	80	0	0	1,396	86	1,079	0	4,602	0	9,454	43,506	28,240	85,802
2002	0	203	0	226	207	45	0	767	0	1,385	0	2,832	0	9,987	58,936	31,791	103,546
2003	128	835	128	681	302	192	0	782	494	1,947	0	5,488	0	7,132	51,706	29,181	93,507
2004	54	1,219	0	292	47	46	0	839	75	1,426	0	3,998	0	6,097	47,469	25,692	83,255
2005	76	664	76	638	228	38	37	962	84	1,430	0	4,235	0	8,592	30,454	34,037	77,318
2006	0	862	0	210	166	84	0	897	207	294	68	2,788	69	5,320	37,241	37,182	82,600
2007	168	2,044	0	392	86	30	0	2,932	78	1,201	0	6,930	0	7,479	38,686	38,135	91,230
2008	195	1,004	0	858	98	0	0	1,164	196	875	0	4,390	0	8,940	38,201	38,212	89,742
2009	157	874	279	1,194	217	168	24	1,739	319	794	0	5,764	0	6,987	41,645	42,103	96,345
2010	0	765	0	189	196	0	0	4,208	202	752	0	6,317	0	7,433	45,987	36,148	95,882
2011	44	1,178	0	444	137	115	0	3,740	500	2,343	0	8,500	0	13,556	53,766	34,991	110,813
2012	62	1,706	0	764	280	0	0	2,155	400	2,314	0	7,681	0	7,070	45,886	39,200	99,837
2013	0	304	0	749	0	53	0	1,030	402	798	0	3,335	0	8,390	45,416	41,411	98,552
2014	76	1,711	0	532	322	0	0	842	0	1,180	0	4,663	0	8,042	54,723	30,378	97,807
2015	85	850	0	314	159	144	0	547	224	3,387	0	5,711	0	7,169	37,751	28,393	79,024
Averages:																	
Long Term	72	1,094	28	507	173	62	4	1,559	198	1,412	4	5,114	9	8,406	44,875	34,137	92,531
3-yr	54	955	0	532	160	66	0	806	209	1,788	0	4,570	0	7,867	45,963	33,394	91,794
% Change from:																	
Long Term	18.8	-23.4	-100.0	-39.6	-8.7	151.8	-100.0	-66.3	14.3	162.8	-100.0	12.5	-100.0	-15.5	-16.7	-17.7	-15.4
3-yr	58.4	-11.0	#DIV/0!	-40.9	-0.8	119.3	#DIV/0!	-32.2	7.3	89.4	#DIV/0!	25.0	#DIV/0!	-8.9	-17.9	-15.0	-13.9
2014	11.8	-50.3	#DIV/0!	-41.0	-50.6	#DIV/0!	#DIV/0!	-35.0	#DIV/0!	187.0	#DIV/0!	22.5	#DIV/0!	-10.9	-31.0	-6.5	-19.2

**Total goose harvest by State and Flyway from the Harvest Information Program, 1999-current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	5,600	113,300	6,995	99,299	14,793	10,100	1,057	81,401	22,300	84,199	2,963	442,007	8,700	1,226,690	1,275,870	477,612	3,430,882
2000	2,000	73,800	9,725	89,100	49,472	6,300	4,597	79,900	23,501	79,501	3,187	421,082	9,413	1,380,905	1,385,591	489,074	3,686,064
2001	4,399	105,200	5,149	65,100	28,461	6,500	1,493	53,599	17,900	60,100	1,514	349,416	6,500	1,172,269	1,292,293	769,295	3,589,771
2002	2,501	95,800	4,117	44,800	20,428	6,400	2,133	66,500	20,776	57,300	529	321,282	5,599	1,033,948	1,186,643	749,362	3,296,837
2003	2,300	116,001	5,403	84,200	28,983	8,600	3,416	59,800	29,599	72,001	1,192	411,494	6,300	1,133,984	1,528,350	694,015	3,774,144
2004	2,400	130,100	3,994	62,700	18,109	5,601	4,238	70,300	21,100	73,800	2,181	394,524	6,700	866,882	1,235,600	664,837	3,168,542
2005	1,700	146,001	6,777	74,299	20,689	6,800	2,333	66,000	30,500	79,599	1,163	435,862	4,800	1,100,782	1,275,300	810,705	3,627,450
2006	3,200	143,299	4,941	77,800	26,318	6,100	787	78,800	21,100	85,500	1,737	449,581	6,300	959,016	1,444,901	695,787	3,555,585
2007	2,301	169,899	4,269	40,900	33,493	5,400	4,183	96,001	19,800	78,899	1,123	456,267	5,900	933,587	1,330,901	912,985	3,639,640
2008	3,200	244,500	3,472	64,500	24,646	5,400	1,979	105,400	24,300	65,904	4,971	548,272	6,100	915,894	1,342,900	978,898	3,792,949
2009	5,301	149,399	17,025	58,300	19,012	7,900	2,822	60,901	20,300	80,700	4,082	425,739	6,700	929,622	1,163,401	1,091,950	3,287,949
2010	1,813	206,539	18,550	31,374	22,703	7,962	3,585	45,374	37,604	45,889	3,943	425,337	14,490	794,267	1,131,401	830,782	3,188,674
2011	3,662	165,983	14,742	51,023	21,899	5,458	5,944	65,407	18,277	75,398	911	428,702	9,749	777,459	1,082,525	569,010	2,857,696
2012	1,633	150,959	10,756	73,853	33,429	5,699	5,919	54,932	23,506	74,574	824	436,083	11,129	958,378	1,020,719	736,950	3,159,874
2013	2,684	162,151	8,391	70,316	14,662	6,177	3,874	54,554	18,750	54,998	1,792	398,347	6,488	1,042,508	1,195,450	705,707	3,348,502
2014	2,302	215,626	9,856	73,437	22,095	4,541	3,202	49,973	26,414	55,346	4,782	467,785	9,912	1,187,870	995,174	660,316	3,313,782
2015	2,431	169,107	11,287	44,096	31,559	4,477	0	51,992	21,056	63,528	3,304	410,647	7,810	724,133	933,821	516,437	2,585,033
Averages:																	
Long Term	2,907	150,451	8,556	65,006	25,338	6,436	3,033	67,108	23,340	69,837	2,365	424,849	7,799	1,008,129	1,224,755	726,690	3,370,735
3-yr	2,472	182,295	9,845	62,616	22,772	5,065	2,359	52,173	22,073	57,957	3,293	425,593	8,070	984,637	1,041,482	627,487	3,082,439
% Change from:																	
Long Term	-17.2	13.3	34.6	-33.5	26.5	-31.7	-100.0	-23.6	-10.3	-9.5	43.3	-3.5	0.1	-29.4	-24.9	-30.2	-24.4
3-yr	-1.7	-7.2	14.7	-29.6	38.6	-11.6	-100.0	-0.3	-4.6	9.6	0.3	-3.5	-3.2	-26.5	-10.3	-17.7	-16.1
2014	5.6	-21.6	14.5	-40.0	42.8	-1.4	-100.0	4.0	-20.3	14.8	-30.9	-12.2	-21.2	-39.0	-6.2	-21.8	-22.0

Greater White-fronted Goose harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	0	27,565	0	358	0	91	0	1,082	0	350	0	29,446	2,677	113,735	108,649	0	254,508
2000	0	17,562	0	0	382	35	0	4,253	0	2,683	0	24,915	1,743	184,553	103,913	0	315,124
2001	338	27,471	0	0	0	0	0	1,047	0	0	0	28,857	491	91,231	110,802	0	231,380
2002	0	26,193	0	327	0	0	0	607	123	424	0	27,674	329	85,344	107,151	0	220,499
2003	0	24,685	0	0	0	0	0	832	191	352	0	26,060	93	80,017	110,611	0	216,781
2004	0	39,924	0	0	0	183	0	1,672	0	118	0	41,897	2,181	52,163	86,266	0	182,507
2005	0	42,156	0	421	0	0	0	1,523	106	691	0	44,897	554	113,932	92,956	87	252,426
2006	246	52,492	0	0	0	40	0	2,041	130	351	0	55,300	1,310	83,384	142,493	0	282,487
2007	0	59,416	0	146	166	49	0	3,787	130	584	0	64,278	308	111,331	176,444	0	352,361
2008	0	110,523	0	262	0	0	0	8,346	134	383	0	119,649	339	61,247	138,097	0	319,332
2009	0	56,101	0	0	0	0	0	1,924	0	910	0	58,935	1,811	70,840	71,451	0	205,243
2010	0	67,810	0	0	0	0	0	3,885	0	2,031	0	73,726	2,183	87,502	105,249	0	288,759
2011	0	55,760	0	0	0	0	0	5,314	0	1,109	0	62,183	0	101,001	70,836	788	234,808
2012	0	41,842	0	324	0	106	0	1,767	0	876	0	44,915	281	82,060	83,245	0	210,501
2013	75	65,071	0	6,260	0	0	0	2,890	0	516	0	74,811	621	58,343	122,469	124	256,369
2014	0	74,976	0	2,098	0	99	0	5,692	0	1,097	0	83,962	113	144,672	110,410	94	339,251
2015	0	62,484	0	994	0	0	0	4,057	0	573	0	68,220	112	50,713	108,720	0	227,652
Averages:																	
Long Term	39	50,119	0	658	32	35	0	2,983	48	768	0	54,690	891	92,475	108,810	64	257,058
3-yr	25	67,510	0	3,117	0	33	0	4,213	0	729	0	75,664	282	84,576	113,866	73	274,424
% Change from:																	
Long Term	-100.0	26.6	#DIV/0!	56.0	-100.0	-100.0	#DIV/0!	39.1	-100.0	-26.5	#DIV/0!	26.7	-88.1	-46.7	-0.1	-100.0	-12.1
3-yr	-100.0	-7.4	#DIV/0!	-68.1	#DIV/0!	-100.0	#DIV/0!	-3.7	#DIV/0!	-21.4	#DIV/0!	-9.8	-60.3	-40.0	-4.5	-100.0	-17.0
2014	#DIV/0!	-16.7	#DIV/0!	-52.6	#DIV/0!	-100.0	#DIV/0!	-28.7	#DIV/0!	-47.8	#DIV/0!	-18.7	-0.9	-64.9	-1.5	-100.0	-32.9

Lesser Snow Goose (white and blue phase) harvest by State and Flyway from the Harvest Information Program, 1999-current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	243	41,145	0	717	1,770	182	0	4,462	180	2,686	60	51,445	167	471,697	317,268	54,710	895,289
2000	323	26,344	0	0	2,101	105	0	7,899	118	1,463	0	38,352	87	385,950	236,451	72,256	733,097
2001	0	33,860	0	404	637	337	0	6,283	90	3,574	0	45,185	0	346,335	304,793	77,158	773,470
2002	221	25,180	0	218	933	107	0	7,810	0	6,730	0	41,199	329	287,793	188,949	39,375	557,645
2003	300	33,037	0	451	582	315	0	5,186	95	2,641	0	42,607	0	247,983	286,279	36,105	612,973
2004	1,200	35,355	0	124	1,188	183	0	945	80	1,535	0	40,611	0	216,202	192,256	31,548	480,617
2005	204	46,934	0	140	2,478	386	0	2,877	0	10,713	0	63,733	46	304,041	248,951	36,103	652,874
2006	492	43,551	0	122	2,089	79	0	11,160	651	13,334	0	71,479	0	255,994	213,274	33,256	574,003
2007	288	52,038	0	0	3,648	243	0	9,021	0	22,501	0	87,274	0	275,310	148,944	50,742	562,735
2008	300	70,946	0	0	1,385	90	0	3,231	403	10,920	0	87,274	0	240,597	168,482	58,752	555,105
2009	408	30,693	0	1,247	988	1,693	0	4,218	292	14,102	0	53,640	0	156,071	109,213	109,213	341,540
2010	859	54,548	0	1,221	1,382	1,652	0	2,220	866	2,285	0	65,034	0	153,759	82,935	18,293	320,021
2011	0	43,718	0	600	3,080	700	0	4,088	366	11,563	0	64,115	0	169,145	122,573	37,592	393,423
2012	0	45,261	0	648	7,835	211	0	4,487	210	11,562	0	70,214	0	170,381	103,208	41,251	385,055
2013	373	38,747	0	1,252	555	0	0	2,409	647	4,383	0	48,365	0	168,372	133,355	30,482	380,575
2014	0	66,492	0	2,308	831	99	0	1,547	0	4,297	0	75,573	0	209,357	86,602	21,684	393,217
2015	0	51,947	0	1,491	4,983	52	0	2,029	143	4,471	0	65,116	0	129,554	90,395	21,789	306,852
Averages:																	
Long Term	307	43,517	0	644	2,145	378	0	4,698	244	7,574	4	59,511	37	246,385	178,466	45,312	524,617
3-yr	124	52,395	0	1,684	2,123	50	0	1,995	263	4,384	0	63,018	0	169,094	103,451	24,652	360,215
% Change from:																	
Long Term	-100.0	20.8	#DIV/0!	152.4	153.2	-87.0	#DIV/0!	-58.3	-42.8	-42.4	-100.0	10.1	-100.0	-48.9	-50.9	-53.4	-43.0
3-yr	-100.0	-0.9	#DIV/0!	-11.4	134.7	3.3	#DIV/0!	1.7	-45.7	2.0	#DIV/0!	3.3	#DIV/0!	-23.4	-12.6	-11.6	-14.8
2014	#DIV/0!	-21.9	#DIV/0!	-35.4	499.6	-47.5	#DIV/0!	31.2	#DIV/0!	4.0	#DIV/0!	-13.8	#DIV/0!	-38.1	4.4	0.5	-22.0

Ross's Goose harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.	
1999	0	26,957	0	358	506	91	0	406	0	0	0	28,318	0	64,023	10,919	0	103,260	
2000	258	5,605	0	0	764	105	0	0	118	0	0	6,850	0	44,523	8,298	0	59,670	
2001	338	13,203	0	101	319	215	0	0	0	0	0	14,176	0	68,469	23,826	0	106,471	
2002	221	13,024	0	0	187	0	0	0	0	61	0	13,492	66	49,881	20,179	0	83,618	
2003	50	16,333	0	0	65	105	0	256	95	0	0	16,904	0	44,329	27,580	0	88,814	
2004	0	10,329	0	249	340	0	0	73	80	0	0	11,070	0	46,047	4,958	0	62,075	
2005	136	7,729	0	0	162	0	0	0	0	0	0	8,026	0	53,457	4,936	0	66,420	
2006	0	5,875	0	0	167	79	0	272	0	234	0	6,627	0	36,238	10,484	82	53,431	
2007	144	7,961	0	0	580	180	0	404	134	97	0	8,782	339	29,233	8,836	1,500	48,351	
2008	0	13,779	0	131	646	180	0	0	0	0	0	15,274	0	42,379	14,625	170	72,787	
2009	408	8,740	0	0	0	376	0	222	0	182	0	9,928	0	22,220	6,842	6,842	35,494	
2010	286	14,974	0	122	395	451	0	0	520	127	0	16,875	0	23,601	4,608	0	45,084	
2011	0	14,635	0	0	342	280	0	0	183	475	0	15,915	0	32,211	4,821	0	52,947	
2012	233	14,886	0	324	174	106	0	0	0	350	3	16,073	0	29,472	872	0	54,265	
2013	149	13,310	0	0	444	0	0	602	485	1,031	0	16,022	0	30,489	6,258	0	52,769	
2014	159	18,343	0	0	166	0	0	276	175	457	0	19,576	0	55,134	16,694	53	91,457	
2015	122	12,007	0	0	906	0	0	150	0	1,146	0	14,331	0	12,887	3,142	0	30,359	
Averages:																		
Long Term	147	12,805	0	76	363	117	0	157	105	245	0	14,014	24	40,270	10,463	509	65,134	
3-yr	143	14,553	0	0	505	0	0	343	220	878	0	16,643	0	32,837	8,698	18	58,195	
% Change from:																		
Long Term	-18.1	-6.6	#DIV/0!	-100.0	175.7	-100.0	#DIV/0!	-4.4	-100.0	508.4	-100.0	2.4	-100.0	-69.3	-71.2	-100.0	-54.9	
3-yr	-14.9	-17.5	#DIV/0!	#DIV/0!	79.3	#DIV/0!	#DIV/0!	-56.2	-100.0	30.5	#DIV/0!	-13.9	#DIV/0!	-60.8	-63.9	-100.0	-47.8	
2014	-23.3	-34.5	#DIV/0!	#DIV/0!	445.8	#DIV/0!	#DIV/0!	-45.7	-100.0	150.8	#DIV/0!	-26.8	#DIV/0!	-76.6	-81.2	-100.0	-66.8	



Canada Goose harvest by State and Flyway from the Harvest Information Program, 1999–current.

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
1999	5,357	17,633	6,995	97,866	12,517	9,736	1,057	75,451	22,120	81,163	2,903	332,798	5,856	577,235	839,034	422,902	2,177,825
2000	1,419	24,289	9,725	89,100	46,225	6,055	4,597	67,748	23,265	75,355	3,187	350,965	7,583	765,879	1,036,929	416,818	2,578,173
2001	3,723	30,666	5,149	64,595	27,505	5,948	1,493	46,269	17,810	56,526	1,514	261,198	6,009	666,234	852,872	692,137	2,478,450
2002	2,059	31,403	4,117	44,255	19,308	6,293	2,133	58,083	20,653	50,085	529	238,917	4,875	610,930	870,364	709,987	2,435,075
2003	1,950	41,946	5,403	83,749	28,336	8,180	3,416	53,526	29,218	69,008	1,192	325,923	6,207	761,655	1,103,880	657,910	2,855,576
2004	1,200	44,492	3,994	62,327	16,581	5,235	4,238	67,610	20,940	72,147	2,181	300,946	4,519	552,470	952,120	633,289	2,443,343
2005	1,360	49,182	6,777	73,738	18,049	6,414	2,333	61,600	30,394	68,195	1,163	319,206	4,200	629,352	928,457	774,515	2,655,730
2006	2,462	41,381	4,941	77,678	24,062	5,902	787	65,327	20,319	71,581	1,737	316,175	4,990	583,400	1,078,650	662,449	2,645,664
2007	1,869	50,484	4,269	40,754	29,099	5,108	4,183	83,193	19,670	55,717	1,123	295,469	5,422	517,713	996,677	860,743	2,676,193
2008	2,900	49,252	3,472	64,107	22,615	5,130	1,979	93,419	23,629	54,601	4,971	326,075	5,422	571,671	1,021,696	919,976	2,844,840
2009	4,485	53,865	17,025	57,053	18,024	5,831	2,822	54,537	20,008	65,506	4,082	303,236	4,889	680,491	975,895	975,895	2,705,672
2010	668	68,666	18,550	30,031	20,926	5,859	3,585	39,057	36,218	41,446	3,943	268,949	10,189	529,406	938,412	794,165	2,533,204
2011	3,662	51,870	14,742	50,423	18,477	4,478	5,944	56,005	17,728	62,093	911	286,331	9,749	474,903	883,440	530,630	2,185,053
2012	1,400	47,877	10,756	72,557	25,420	5,276	5,919	48,401	23,296	61,491	824	303,217	9,126	676,465	825,546	695,699	2,510,053
2013	2,087	44,071	8,391	62,595	13,663	6,177	3,874	48,653	17,618	48,301	1,792	257,221	5,142	785,304	933,368	675,031	2,656,066
2014	2,143	52,735	9,856	69,031	21,098	4,343	3,202	42,441	26,239	49,458	4,782	285,330	7,365	778,707	781,274	630,777	2,483,453
2015	2,309	40,431	11,287	41,611	25,670	4,425	0	45,756	20,913	57,089	3,304	258,053	5,258	530,979	731,564	488,582	2,009,178
Averages:																	
Long Term	2,415	43,544	8,556	63,616	22,799	5,905	3,033	59,240	22,943	61,162	2,361	295,883	6,292	628,988	926,481	678,912	2,521,973
3-yr	2,180	45,746	9,845	57,746	20,144	4,982	2,359	45,617	21,590	51,616	3,293	266,868	5,922	698,330	815,402	598,130	2,382,899
% Change from:																	
Long Term	-4.6	-7.6	34.6	-36.0	13.5	-26.2	-100.0	-23.8	-9.4	-7.0	43.5	-13.5	-17.3	-16.4	-22.1	-29.3	-21.3
3-yr	5.9	-11.6	14.7	-27.9	27.4	-11.2	-100.0	0.3	-3.1	10.6	0.3	-3.3	-11.2	-24.0	-10.3	-18.3	-15.7
2014	7.7	-23.3	14.5	-39.7	21.7	1.9	-100.0	7.8	-20.3	15.4	-30.9	-9.6	-28.6	-31.8	-6.4	-22.5	-19.1

**Pacific Brant harvest by State and Flyway from the Harvest Information Program, 1999–current.**

<b>Year</b>	<b>CA</b>	<b>OR</b>	<b>WA</b>	<b>PF</b>	<b>AK</b>	<b>Total</b>
1999	2,500	100	800	3,400	1,400	4,800
2000	900	300	400	1,600	400	2,000
2001	4,100	1,000	1,100	6,200	1,600	7,800
2002	1,100	100	100	1,300	400	1,700
2003	2,300	100	1,500	3,900	600	4,500
2004	800	0	500	1,300	600	1,900
2005	900	0	1,100	2,000	700	2,700
2006	2,870	9	931	3,810	1,703	5,513
2007	1,800	0	100	1,900	900	2,800
2008	1,000	3	0	1,003	1,700	2,703
2009	900	100	1,100	2,100	1,100	3,200
2010	541	212	0	753	2,118	2,871
2011	750	0	253	1,003	0	1,003
2012	1,093	277	295	1,664	1,722	5,051
2013	952	0	767	1,719	725	2,444
2014	3,080	17	37	3,344	2,434	5,778
2015	2,238	0	249	2,487	2,440	4,927
<b>Averages:</b>						
Long Term	1,637	130	543	2,323	1,208	3,629
3-yr	2,090	6	351	2,517	1,866	4,383
<b>% Change from:</b>						
Long Term	40.0	-100.0	-55.6	7.6	115.7	38.9
3-yr	7.1	-100.0	-29.1	-1.2	30.7	12.4
2014	-27.3	-100.0	573.0	-25.6	0.2	-14.7

**Tundra Swan and Trumpeter Swan harvest and reporting statistics in the Pacific Flyway, 1994–current.**

Year	Tundra Swan Harvest Estimate			Swans Examined			Examination Rate <sup>a</sup>			Trumpeter Swans Detected <sup>b</sup>		
	Utah	Nevada	Montana	Utah	Nevada	Montana	Utah	Nevada	Montana	Utah <sup>c</sup>	Nevada	Montana
1994	768	88	326	474	79	219	0.617	0.898	0.672	0	0	1
1995	348	72	182	244	69	110	0.701	0.958	0.604	3	0	3
1996 <sup>c</sup>	897	119	302	701	112	181	0.781	0.941	0.599	7	1	3
1997	704	131	300	497	118	217	0.706	0.901	0.723	3	0	1
1998	1142	185	276	879	164	168	0.770	0.886	0.609	1	0	3
1999	858	212	226	647	193	153	0.754	0.910	0.677	0	0	7
2000	550	78	217	454	71	203	0.825	0.910	0.935	1	0	3
2001	249	62	289	229	58	244	0.920	0.935	0.844	0	0	0
2002	480	45	167	453	40	141	0.944	0.889	0.844	2	0	3
2003	761	77	119	728	71	92	0.957	0.922	0.773	2	0	3
2004	612	82	254	570	77	203	0.931	0.939	0.799	2	0	6
2005	779	100	284	674	92	231	0.865	0.920	0.813	1	0	14
2006	814	155	169	712	147	135	0.875	0.948	0.799	2	1	7
2007	780	217	306	680	200	245	0.872	0.922	0.801	0	0	8
2008	651	136	200	557	124	175	0.856	0.912	0.875	1	0	1
2009	788	56	293	655	50	243	0.831	0.893	0.829	2	0	9
2010	699	118	208	693	113	173	0.991	0.958	0.832	0	0	10
2011	669	145	247	645	136	206	0.964	0.938	0.834	3	4	12
2012	873	203	293	854	194	235	0.978	0.956	0.802	2	0	30
2013	360	26	246	348	24	189	0.967	0.923	0.768	5	0	17
2014	726	25	167	699	24	143	0.963	0.960	0.856	2	0	12
2015	853	8	264	853	8	229	1.000	1.000	0.867	4	0	14
Averages:												
Long Term	698	106	243	602	98	188	1	1	1	2	0	8
3-yr	646	20	226	633	19	187	1	1	1	4	0	14
% Change from:												
Long Term	23.5	-92.8	9.3	44.5	-92.2	23.1	16.2	8.1	11.8	115.4	-100.0	92.2
3-yr	32.0	-59.3	17.0	34.7	-57.1	22.5	2.4	4.1	4.4	9.1		-2.3
2014	17.5	-68.0	58.1	22.0	-66.7	60.1	3.9	4.2	1.3	100.0		16.7

<sup>a</sup>Examination Rate = Swans examined/Tundra Swan harvest estimate.

<sup>b</sup>Trumpeter Swans Detected: Adult without yellow lore and posterior nares to bill tip ≥62mm, Juvenile without yellow lore and posterior nares to bill tip ≤61mm.

<sup>c</sup>In 1996, 6 of the 7 Trumpeter Swans detected in Utah's harvest were swans marked and translocated from Idaho and released in Utah as part of a research project, the other was a marked swan that was translocated from Idaho to Oregon 2 years earlier.

**American Coot harvest<sup>a</sup> by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	ID	MT	NV	OR	UT	WA	PF	AF	MF	CF	U.S.
1999	300	12,500	0	200	1,200	0	3,000	20,800	37,800	21,900	147,300	28,900	236,000
2000	4,500	46,400	100	50	1,200	0	300	1,400	54,000	13,700	230,000	37,400	335,000
2001	400	30,900	400	50	1,300	10,700	2,300	8,600	54,600	12,400	214,400	3,000	284,400
2002	100	6,400	3,900	2,400	200	800	1,300	1,200	16,200	6,700	179,000	3,500	205,400
2003	0	3,000	4,700	0	200	5,500	0	700	14,000	12,800	54,800	6,400	88,000
2004	200	7,700	800	800	200	600	8,200	4,100	22,700	13,100	125,600	19,900	181,300
2005	50	9,000	2,500	600	1,600	1,500	5,200	2,200	32,600	110,600	110,600	15,400	181,300
2006	3,300	18,000	2,600	1,300	100	1,100	8,300	4,600	39,300	37,800	115,100	6,900	199,100
2007	200	18,700	2,300	5,500	200	200	8,300	7,200	42,500	16,700	115,300	23,800	198,300
2008	0	10,700	1,200	100	2,000	3,300	9,900	9,400	36,700	21,300	207,900	9,900	275,900
2009	400	24,600	1,000	100	700	2,100	3,000	3,600	35,600	24,800	142,800	15,800	219,000
2010	0	28,000	1,300	50	900	700	13,600	500	45,100	29,600	205,600	22,400	302,600
2011	100	50,000	0	1,300	600	6,500	14,800	10,900	84,100	66,400	244,500	21,700	416,600
2012	50	12,700	4,400	100	900	1,600	7,800	4,900	32,500	150,500	150,500	12,900	208,700
2013	300	13,200	6,100	100	700	800	6,400	3,700	31,300	23,600	186,500	13,500	254,900
2014	1,300	11,100	1,700	300	3300	7,500	23,300	4,600	53,100	57,200	172,300	11,500	294,100
2015	50	14,800	200	300	900	1,600	7,400	6,100	31,300	8,000	85,100	128,700	253,200
Averages:													
Long Term	662	18,688	1,953	779	953	2,618	7,241	5,565	38,441	24,200	158,076	22,447	243,165
3-yr	550	13,033	2,667	233	1,633	3,300	12,367	4,800	38,567	29,600	147,967	51,233	267,400
% Change from:													
Long Term	-92.9	-21.8	-90.3	-62.9	-5.9	-40.3	2.3	10.3	-19.5	-68.3	-47.7	714.2	4.4
3-yr	-90.9	13.6	-92.5	28.6	-44.9	-51.5	-40.2	27.1	-18.8	-73.0	-42.5	151.2	-5.3
2014	-96.2	33.3	-88.2	0.0	-72.7	-78.7	-68.2	32.6	-41.1	-86.0	-50.6	1,019.1	-13.9

<sup>a</sup>All estimates have been rounded to the nearest 100. Estimates will be 50 in cases where the estimate is lower than 50.

**Gallinule harvest<sup>a</sup> by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	ID	MT	NV	PF	AF	MF	CF	U.S.
1999	100	900	0	200	0	1,100	1,400	29,300	700	32,600
2000	0	1,000	0	1,500	0	2,500	100	18,200	0	20,900
2001	0	200	0	400	0	600	3,600	7,000	50	11,200
2002	0	100	500	0	0	600	5,200	7,500	400	13,700
2003	0	0	0	0	0	0	800	27,900	50	28,700
2004	0	1,700	0	0	0	1,700	100	31,400	700	33,900
2005	0	2,200	0	0	0	2,200	2,600	25,700	50	30,600
2006	0	0	0	0	0	0	1,800	11,800	0	13,700
2007	0	4,000	0	0	0	4,000	200	300	50	4,500
2008	0	6,700	0	0	0	6,700	3,000	3,500	100	13,200
2009	50	2,700	0	0	0	2,700	1,000	3,700	0	7,400
2010	0	6,000	0	1,000	50	7,000	1,100	3,200	2,300	13,700
2011	0	4,300	0	0	0	4,300	700	2,400	100	7,600
2012	0	3,500	--	--	100	5,200	600	14,300	2,800	22,900
2013	0	200	--	--	100	300	2,800	15,400	2,800	21,300
2014	200	50	--	--	0	200	3,500	1,500	50	5,200
2015	0	4,300	0	0	50	4,300	1,900	2,800	0	8,900
Averages:										
Long Term	21	2,226	36	221	18	2,553	1,788	12,112	597	17,059
3-yr	67	1,517	0	0	50	1,600	2,733	6,567	950	11,800
% Change from:										
Long Term	-100.0	105.1	-100.0	-100.0	220.0	76.0	6.7	-77.9	-100.0	-49.3
3-yr	-100.0	183.5	#DIV/0!	#DIV/0!	0.0	168.8	-30.5	-57.4	-100.0	-24.6
2014	-100.0	8,500.0	#VALUE!	#VALUE!	#DIV/0!	2,050.0	-45.7	86.7	-100.0	71.2

<sup>a</sup>All estimates have been rounded to the nearest 100. Estimates will be 50 in cases where the estimate is lower than 50.

**Band-tailed Pigeon harvest<sup>a</sup> by State and Flyway from the Harvest Information Program, 1999–current.**

Year	Interior Population					Pacific Population					U.S.
	AZ	CO	NM	UT	WA	CA	OR	WA	U.S.		
1999	500	700	0	100	--	19,300	3,800	--	24,400		
2000	2,300	1,700	400	300	--	12,200	4,100	--	20,900		
2001	400	600	600	300	--	8,300	5,000	--	15,200		
2002	1,000	100	600	400	--	4,200	4,000	--	10,400		
2003	1,400	900	400	100	1,500	8,000	4,900	1,500	17,200		
2004	1,400	500	700	200	300	14,300	3,300	300	20,700		
2005	2,200	100	300	100	1,000	11,100	1,400	1,000	16,200		
2006	500	600	100	400	900	12,500	1,500	900	16,600		
2007	1,000	900	2,800	200	1,700	9,700	1,400	1,700	17,600		
2008	1,600	2,500	600	0	2,100	27,500	500	2,100	34,900		
2009	2,300	1,400	1,300	0	1,400	19,300	1,900	1,400	27,600		
2010	700	1,500	2,700	200	700	16,500	1,100	700	23,400		
2011	1,000	300	500	100	200	10,800	900	200	13,700		
2012	1,300	1,100	300	100	200	9,100	1,500	200	13,700		
2013	900	50	200	500	500	4,700	1,600	500	8,300		
2014	700	400	200	100	200	10,700	1,200	200	13,500		
2015	500	200	100	50	100	6,600	600	100	8,100		
Averages:											
Long Term	1,159	797	694	185	831	12,047	2,276	831	17,788		
3-yr	700	217	167	217	267	7,333	1,133	267	9,967		
% Change from:											
Long Term	-58.3	-76.0	-86.3	-74.2	-88.8	-46.7	-74.8	-88.8	-56.0		
3-yr	-28.6	-7.7	-40.0	-76.9	-62.5	-10.0	-47.1	-62.5	-18.7		
2014	-28.6	-50.0	-50.0	-50.0	-50.0	-38.3	-50.0	-50.0	-40.0		

<sup>a</sup>All estimates have been rounded to the nearest 100. Estimates will be 50 in cases where the estimate is lower than 50.

**Mourning Dove harvest by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	ID	NV	OR	UT	WA	WMU	CMU	EMU	U.S.
1999	900,200	795,900	86,100	64,000	75,800	76,700	93,600	2,092,300	11,401,200	10,943,900	24,437,300
2000	800,300	1,020,700	99,300	71,200	66,200	117,900	87,400	2,263,100	13,258,300	10,773,900	26,295,300
2001	981,000	1,149,700	107,000	37,700	65,800	76,100	66,100	2,483,400	11,111,200	9,981,400	23,576,000
2002	933,900	1,024,200	118,700	71,500	62,700	88,800	56,800	2,356,600	10,275,500	10,087,000	22,719,100
2003	872,700	1,168,300	124,800	42,100	66,900	68,900	76,300	2,420,100	7,714,600	8,198,100	18,332,800
2004	978,200	1,060,500	132,500	36,500	72,600	119,700	70,500	2,470,600	9,807,700	7,712,000	19,990,200
2005	952,600	1,013,400	122,900	47,700	85,600	137,800	105,500	2,465,500	9,891,400	9,793,000	22,149,900
2006	750,700	1,020,400	98,100	38,900	84,300	77,600	132,900	2,202,900	8,914,000	8,155,400	19,272,400
2007	792,800	1,162,100	192,300	38,500	96,900	90,000	88,900	2,461,500	9,180,200	8,908,400	20,550,000
2008	726,600	1,113,700	127,400	45,000	45,500	74,100	78,500	2,210,700	7,520,000	7,671,800	17,402,400
2009	784,400	1,069,700	143,300	41,500	38,600	122,800	40,700	2,241,000	7,474,600	7,639,200	17,354,800
2010	941,800	1,244,900	90,600	60,300	43,700	102,800	77,900	2,562,000	7,194,900	7,473,500	17,230,400
2011	784,600	1,138,200	147,500	31,900	63,000	53,900	37,200	2,256,300	7,657,700	6,666,900	16,580,900
2012	601,200	900,000	127,600	26,900	64,100	78,000	51,500	1,849,400	6,361,600	6,279,900	14,490,900
2013	774,800	828,300	157,300	31,900	28,400	80,200	42,500	1,943,300	6,236,000	6,350,600	14,529,800
2014	370,000	677,100	111,000	24,800	19,600	34,000	28,400	1,265,000	7,654,700	4,889,800	13,809,500
2015	401,400	686,800	100,700	22,400	22,500	54,800	43,600	1,332,200	7,180,300	4,644,900	13,157,300
<b>Averages:</b>											
Long Term	785,129	1,004,347	122,771	43,106	58,953	85,535	69,312	2,169,171	8,754,935	8,009,982	18,934,059
3-yr	515,400	730,733	123,000	26,367	23,500	56,333	38,167	1,513,500	7,023,667	5,295,100	13,832,200
<b>% Change from:</b>											
Long Term	-50.4	-32.9	-18.9	-49.5	-63.3	-37.3	-38.5	-40.0	-18.9	-43.5	-31.8
3-yr	-22.1	-6.0	-18.1	-15.0	-4.3	-2.7	14.2	-12.0	2.2	-12.3	-4.9
2014	8.5	1.4	-9.3	-9.7	14.8	61.2	53.5	5.3	-6.2	-5.0	-4.7

**White-winged Dove harvest<sup>a</sup> by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	NV	UT	WMU	CMU	EMU	U.S.
1999	122,100	32,100	100	--	154,300	782,900	1,200	938,500
2000	84,500	33,900	0	--	118,400	122,600	15,000	1,355,900
2001	86,500	44,500	100	--	131,100	996,900	5,800	1,133,900
2002	120,400	34,000	100	--	154,500	975,400	3,600	1,133,500
2003	112,300	46,800	800	--	159,900	825,100	12,900	997,900
2004	120,300	50,500	600	--	171,400	1,120,700	4,700	1,296,800
2005	110,100	63,600	200	200	174,000	1,162,500	12,400	1,348,900
2006	107,400	55,200	600	1,000	164,300	1,050,900	46,800	1,262,000
2007	127,600	67,900	0	800	196,300	1,618,400	53,400	1,868,100
2008	95,300	83,300	50	1,200	179,900	1,378,200	60,000	1,618,100
2009	124,500	66,100	600	1,500	192,700	1,361,300	88,200	1,642,200
2010	84,900	78,200	400	1,800	165,200	1,485,500	29,200	1,679,900
2011	118,900	77,900	300	1,200	198,300	1,605,500	47,800	1,851,600
2012	86,000	42,200	200	500	130,300	1,508,500	0	1,669,000
2013	100,000	48,900	3300	0	152,200	1,343,700	30,600	1,526,500
2014	83,800	54,400	300	200	138,700	1,839,700	28,200	2,006,600
2015	72,200	47,300	500	0	120,000	2,032,500	9,500	2,162,100
<b>Averages:</b>								
Long Term	103,341	54,518	479	764	158,912	1,247,665	26,429	1,499,500
3-yr	85,333	50,200	1,367	67	136,967	1,738,633	22,767	1,898,400
<b>% Change from:</b>								
Long Term	-31.4	-14.0	4.6	-100.0	-25.6	69.6	-65.4	48.3
3-yr	-15.4	-5.8	-63.4	-100.0	-12.4	16.9	-58.3	13.9
2014	-13.8	-13.1	66.7	-100.0	-13.5	10.5	-66.3	7.7

<sup>a</sup>All estimates have been rounded to the nearest 100. Estimates will be 50 in cases where the estimate is lower than 50.

**Snipe harvest<sup>a</sup> by State and Flyway from the Harvest Information Program, 1999–current.**

Year	AZ	CA	ID	MT	NV	OR	UT	WA	PF	AK	AF	MF	CF	U.S.
1999	200	15,400	0	1,400	100	9,300	600	3,600	30,500	200	35,100	164,400	47,300	276,500
2000	1,600	14,800	50	100	100	0	300	0	16,900	1,700	5,400	49,800	12,600	86,400
2001	200	13,300	50	50	100	6,600	200	0	20,500	700	26,100	22,900	15,300	85,500
2002	700	2,400	100	2,600	400	400	600	400	7,200	2,600	27,500	25,400	5,400	68,200
2003	900	6,600	2,400	400	100	900	0	300	11,700	1,400	35,000	20,200	5,500	73,800
2004	0	11,000	600	900	50	900	700	4,100	18,100	600	45,700	32,900	6,100	103,300
2005	0	16,900	400	400	50	1,100	300	2,100	21,300	900	50,200	39,500	8,800	120,700
2006	100	2,800	400	800	50	700	300	2,500	7,700	1,200	33,700	24,800	9,300	76,700
2007	100	7,800	0	4,900	200	200	800	300	14,100	600	56,800	35,800	12,200	119,400
2008	0	9,600	50	3,900	700	1,400	0	100	15,900	1,100	46,500	20,200	11,900	95,500
2009	200	7,400	100	100	1,000	1,800	800	1,400	12,700	900	43,600	20,900	5,300	83,500
2010	0	4,800	600	3,400	100	300	1,300	400	10,900	400	54,000	40,200	12,700	118,200
2011	300	10,800	0	200	500	3,000	1,300	0	16,000	300	57,500	36,600	25,900	136,300
2012	0	6,300	900	100	100	3,400	200	2,200	13,100	600	25,700	19,400	6,100	64,900
2013	50	2,400	7,900	300	50	500	700	500	12,400	600	33,000	21,200	1,900	69,100
2014	200	15,800	4,700	100	200	1,000	500	600	23,300	600	55,200	10,700	5,100	94,900
2015	0	2,400	1,000	50	300	800	200	400	5,300	100	20,300	10,400	8,400	44,500
Averages:														
Long Term	268	8,853	1,132	1,159	241	1,900	518	1,112	15,153	853	38,312	35,018	11,753	101,024
3-yr	83	6,867	4,533	150	183	767	467	500	13,667	433	36,167	14,100	5,133	69,500
% Change from:														
Long Term	-100.0	-74.1	-12.3	-95.9	26.3	-59.4	-62.8	-65.4	-66.4	-88.9	-48.5	-71.6	-29.8	-57.4
3-yr	-100.0	-65.0	-77.9	-66.7	63.6	4.3	-57.1	-20.0	-61.2	-76.9	-43.9	-26.2	63.6	-36.0
2014	-100.0	-84.8	-78.7	-50.0	50.0	-20.0	-60.0	-33.3	-77.3	-83.3	-63.2	-2.8	64.7	-53.1

<sup>a</sup>All estimates have been rounded to the nearest 100. Estimates will be 50 in cases where the estimate is lower than 50.













# Executive Summary

This report summarizes the most recent information about the status of North American waterfowl populations and their habitats to facilitate the development of harvest regulations. The annual status of these populations is monitored and assessed through abundance and harvest surveys. This report details abundance estimates; harvest survey results are discussed in separate reports. The data and analyses were the most current available when this report was written. Future analyses may yield slightly different results as databases are updated and new analytical procedures become available.

In general, the Canadian and U.S. prairies experienced early spring phenology. However, habitat conditions in these areas during the 2016 Waterfowl Breeding and Population Habitat Survey (WBPHS) were poorer than last year because of below-average precipitation and subsequent drying of wetlands. Most prairie and parkland regions were at best fair for waterfowl production; only areas dominated by semi-permanent and permanent wetlands were rated good. The total pond estimate (Prairie Canada and U.S. combined) was  $5.0 \pm 0.2$  million, which was 21% below the 2015 estimate of  $6.3 \pm 0.2$  million, and similar to the long-term average of  $5.2 \pm 0.03$  million. The 2016 estimate of ponds in Prairie Canada was  $3.5 \pm 0.1$  million. This estimate was 16% below the 2015 estimate of  $4.2 \pm 0.1$  million and similar to the long-term average ( $3.5 \pm 0.02$  million). The 2016 pond estimate for the northcentral U.S. was  $1.5 \pm 0.05$  million, which was 30% below the 2015 estimate of  $2.2 \pm 0.09$  million and 11% below the long-term average ( $1.7 \pm 0.01$  million).

In the eastern survey area, spring phenology was advanced in southern areas, and in Newfoundland and Labrador, where good to excellent breeding conditions were reported. In the eastern Arctic, including the Ungava Peninsula in northern Quebec, and Baffin and Bylot islands, breeding conditions were average to slightly below average. Ice and snow melt timing in the eastern Arctic was variable but near average. Breeding conditions were average across most of the central Arctic, with normal or slightly early spring phenology, and average or slightly above-average productivity reported in the Queen Maud Gulf region, on Southampton Island in northern Hudson Bay, and along the western portions of Hudson Bay. In western boreal regions of the traditional survey area and in Alaska, habitat conditions were similar to or improved relative to 2015, with above-average breeding conditions. Ice and snow melt timing was very early in Alaska and the western Arctic, with snow and ice melt dates that were the earliest recorded in some areas, and normal to slightly early in the north-central and south-central Arctic.

## Summary of Duck Populations

In the traditional survey area, which includes strata 1–18, 20–50, and 75–77, the total duck population estimate (excluding scoters [*Melanitta spp.*], eiders [*Somateria spp.* and *Polysticta stelleri*], long-tailed ducks [*Clangula hyemalis*], mergansers [*Mergus spp.* and *Lophodytes cucullatus*], and wood ducks [*Aix sponsa*]) was  $48.4 \pm 0.8$  [SE] million birds. This estimate was similar to the 2015 estimate of  $49.5 \pm 0.8$  million, and is 38% higher than the long-term average (1955–2015). Estimated mallard (*Anas platyrhynchos*) abundance was  $11.8 \pm 0.4$  million, which was similar to the 2015 estimate of  $11.6 \pm 0.4$  million, and 51% above the long-term average of  $7.8 \pm 0.04$  million. Estimated abundances of gadwall (*A. strepera*;  $3.7 \pm 0.2$  million) and American wigeon (*A. americana*;  $3.4 \pm 0.2$  million) were similar to last year's estimates, and were 90% and 31% above their long-term averages of  $2.0 \pm 0.02$  million and  $2.6 \pm 0.02$  million, respectively. The estimated abundance of green-winged teal (*A. crecca*) was  $4.3 \pm 0.3$  million, which was similar to the 2015 estimate of  $4.1 \pm 0.2$  million, and

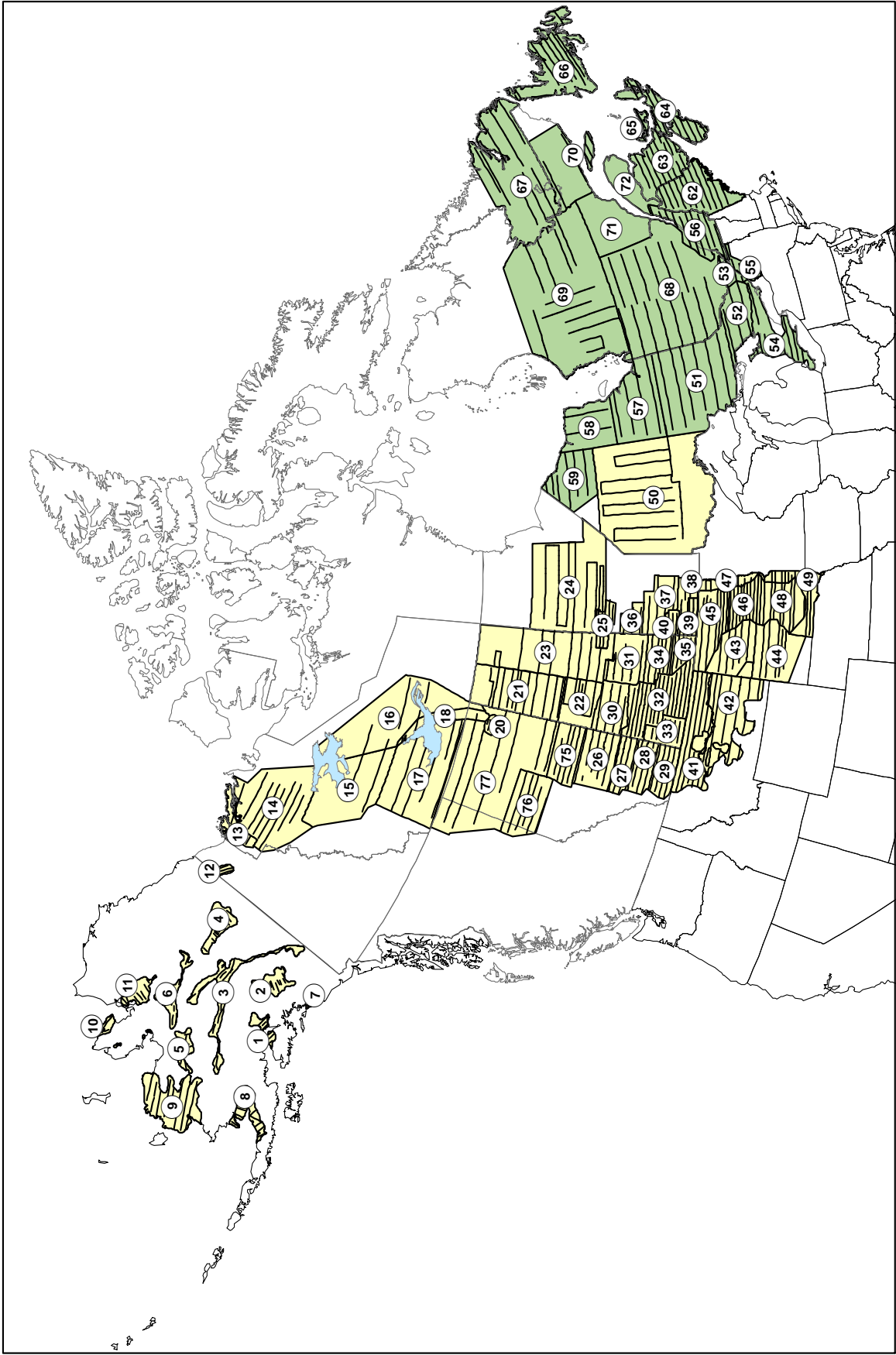
104% above the long-term average ( $2.1 \pm 0.02$  million). This year again marks the highest estimate in the time series for green-winged teal. Estimated blue-winged teal (*A. discors*;  $6.7 \pm 0.3$  million) abundance was 22% lower than the 2015 estimate of  $8.5 \pm 0.4$  million, but 34% above the long-term average of  $5.0 \pm 0.04$  million. Estimated abundance of northern shovelers (*A. clypeata*;  $4.0 \pm 0.2$  million) was similar to the 2015 estimate but 56% above the long-term average of  $2.5 \pm 0.02$  million. Northern pintail abundance (*A. acuta*;  $2.6 \pm 0.2$  million) was similar to the 2015 estimate and 34% below the long-term average of  $4.0 \pm 0.04$  million. Abundance estimates for redheads (*Aythya americana*;  $1.3 \pm 0.1$  million) and canvasbacks (*A. valisineria*;  $0.7 \pm 0.07$  million) were similar to their 2015 estimates and were 82% and 26% above their long-term averages of  $0.7 \pm 0.01$  million and  $0.6 \pm 0.01$  million, respectively. Estimated abundance of scaup (*A. affinis* and *A. marila* combined;  $5.0 \pm 0.3$  million) was similar to the 2015 estimate and to the long-term average of  $5.0 \pm 0.05$  million. The projected mallard fall flight index was  $13.5 \pm 1.4$  million birds.

In the eastern survey area, estimated abundance of American black ducks (*Anas rubripes*) was  $0.6 \pm 0.05$  million, which was 13% higher than last year's estimate of  $0.5 \pm 0.04$  million, and similar to the 1990–2015 average of  $0.6 \pm 0.04$  million. The estimated abundance of mallards ( $0.4 \pm 0.1$  million) and mergansers ( $0.4 \pm 0.04$  million) were similar to the 2015 estimates and their 1990–2015 averages. Abundance estimates of green-winged teal ( $0.2 \pm 0.04$  million) and ring-necked ducks (*Aythya collaris*,  $0.6 \pm 0.09$  million) were similar to their 2015 estimates and 1990–2015 averages. The estimate of goldeneyes (common and Barrow's [*Bucephala clangula* and *B. islandica*],  $0.4 \pm 0.06$  million) was similar to the 2015 estimate and 14% lower than the 1990–2015 average.

## Summary of Goose Populations

In 2016, light goose (i.e., Ross's geese, lesser snow geese, and greater snow geese) abundance remains high. The rate of increase of some light goose populations breeding in the central and eastern Arctic (i.e., Mid-continent Population light geese, Ross's geese, and greater snow geese) has diminished compared to earlier decades, whereas lesser snow goose abundance and trends in northern Alaska, Wrangel Island, Russia, and other portions of the western Arctic have increased. Atlantic brant counts increased relative to last year, following three years of low Midwinter Survey indices, although productivity remained low for the fourth consecutive year. Pacific and western high Arctic brant abundance was similar to last year, but biologists continue to observe greater winter distribution in Alaska and lower abundance at primary breeding colonies. Midwinter indices of Central Flyway Arctic Nesting Geese indicate stable abundance, but counts have increased in northern Yukon Territory, where a portion of the breeding range is monitored. Abundances of temperate-nesting Canada goose populations remain high; however, abundance of both the Atlantic Flyway Resident Population and Mississippi Flyway Giant Canada goose Population was similar between 2016 and 2015, and growth of these populations has diminished or stabilized compared to earlier years of rapid increase. Abundances of Pacific, Rocky Mountain, and Hi-Line Populations of Canada geese were similar to last year and no trends were apparent, but indices for Western Prairie and Great Plains Populations of Canada geese continue to increase. A new survey was implemented in 2016 to monitor Mississippi Flyway Interior Canada goose populations (i.e., Southern James Bay, Mississippi Valley, and Eastern Prairie Populations). North Atlantic and Atlantic Population Canada goose breeding numbers remained similar to those of 2015. In Alaska, emperor goose spring survey counts and Dusky Canada goose breeding counts were lower in 2016, following high counts observed in 2015. Estimates of Aleutian, Cackling, Lesser, and Taverner's geese were similar to or greater than last year. This year's Pacific Population White-fronted goose estimate was markedly higher than last year, although no recent trend was indicated. The 2015 fall survey count of Mid-continent Population White-fronted geese was similar to the prior year's count. Available information indicated stable abundances for both the Western and Eastern Populations of tundra swans.

# Waterfowl Breeding Population and Habitat Survey map



Strata and transects of the Waterfowl Breeding Population and Habitat Survey (yellow = traditional survey area, green = eastern survey area).



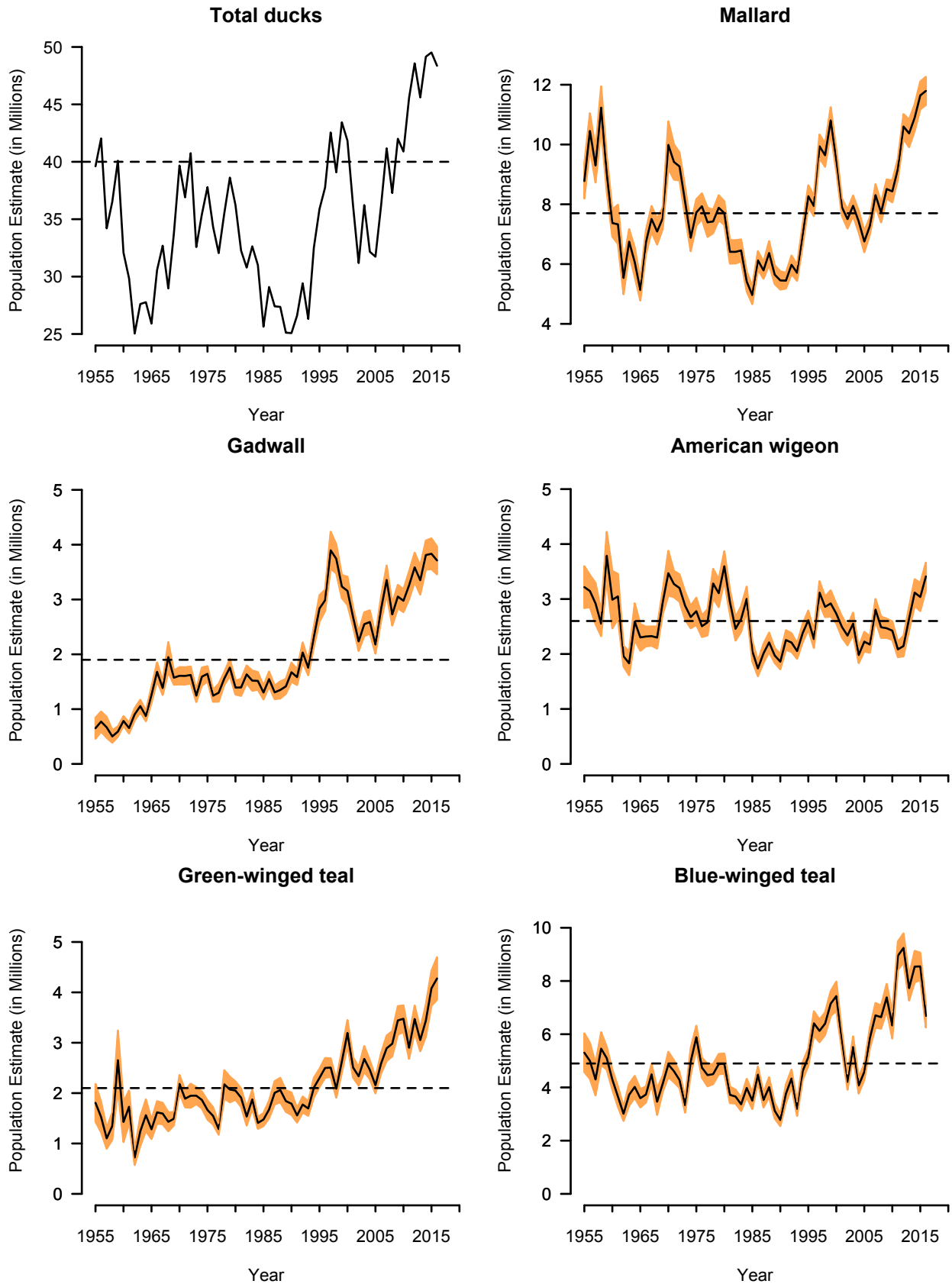
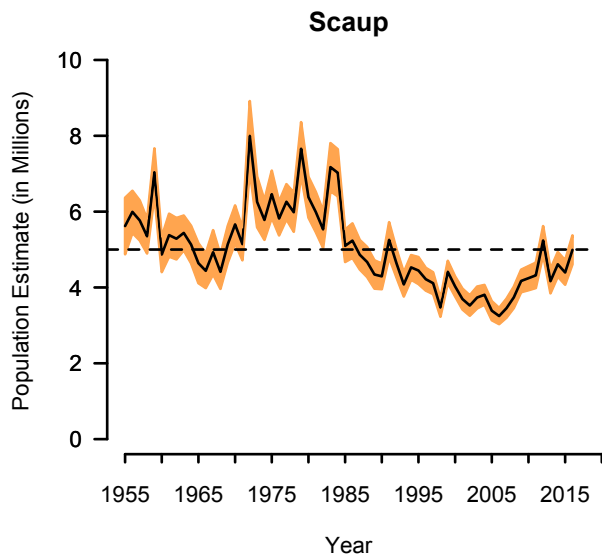
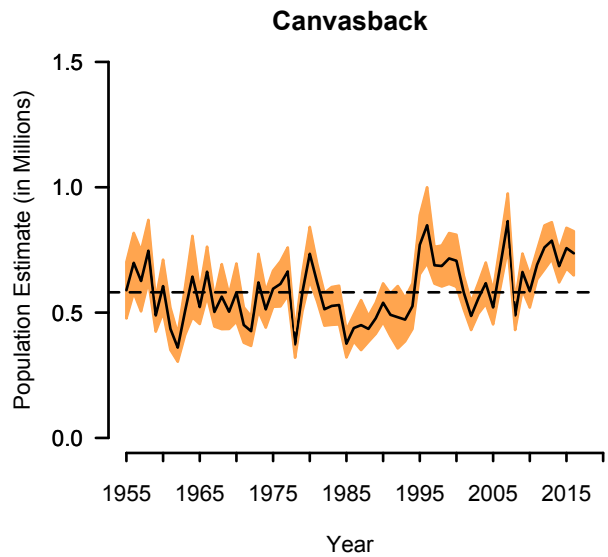
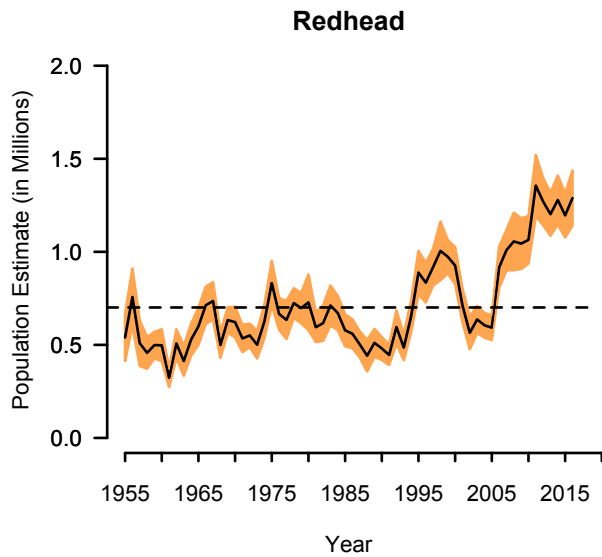
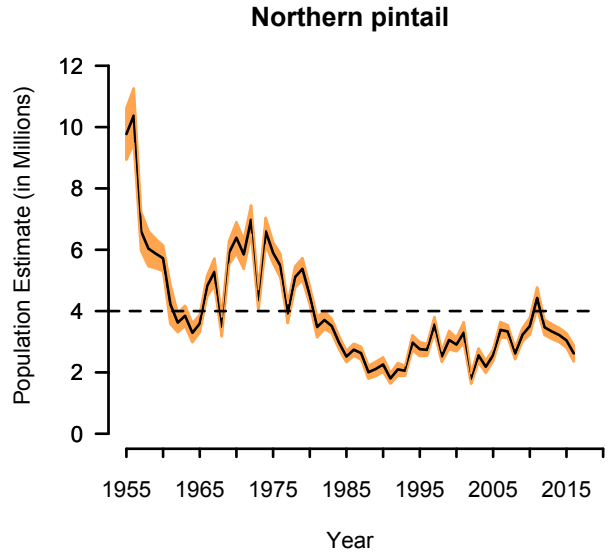
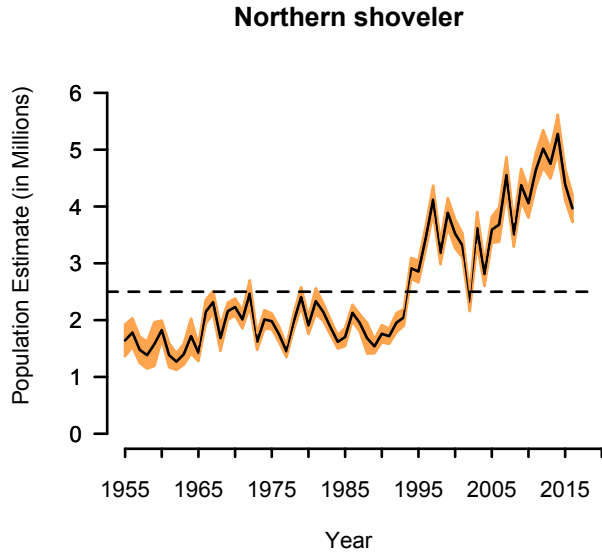


Figure 3. Breeding population estimates, 90% confidence intervals, and North American Waterfowl Management Plan population goals (dashed line) for selected species in the traditional survey area (strata 1–18, 20–50, 75–77).

















Blue-winged Teal breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N, AB, BC, NT (13-19, 20, 75-77)	S, AB (26-29)	N, SK (21-23)	S, SK (30-35)	N, MB (24-25)	S, MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	0	342,817	1,550,238	13,763	2,068,507	44,236	470,539	80,826	229,618	504,654	0	5,305,238
1956	0	292,797	903,759	29,661	2,542,739	34,924	284,709	80,826	285,476	535,551	0	4,997,646
1957	0	40,330	908,556	33,536	1,620,310	7,806	391,256	75,932	377,738	560,035	0	4,298,499
1958	0	201,348	1,078,543	125,113	1,650,704	96,344	1,120,162	74,131	528,703	581,537	0	5,456,584
1959	0	911,885	903,562	92,554	1,187,019	54,645	1,247,586	72,507	316,434	413,117	0	5,099,309
1960	0	417,421	877,793	36,762	1,112,619	34,023	699,198	69,670	519,523	524,482	0	4,292,995
1961	0	578,862	897,110	13,763	883,022	22,218	521,299	69,670	295,603	673,757	0	3,655,304
1962	0	244,421	346,740	166,009	383,752	75,656	368,554	68,448	755,185	602,486	0	3,011,051
1963	0	128,013	426,848	169,912	504,893	136,912	401,535	67,361	686,622	1,201,526	0	3,723,624
1964	0	508,488	634,556	305,445	735,756	132,108	358,938	67,258	594,542	686,268	7,355	4,020,614
1965	57	227,581	494,085	76,381	669,095	86,499	284,199	137,534	913,463	703,553	0	3,594,457
1966	0	141,100	533,204	65,252	1,096,736	122,059	213,050	133,253	1,041,693	623,894	0	3,733,241
1967	1,128	21,248	712,934	86,324	1,395,676	136,225	627,614	82,908	1,106,138	313,697	7,633	4,491,525
1968	1,452	29,994	325,319	261,569	720,229	535,637	749,748	53,249	902,888	466,065	6,129	3,462,528
1969	0	46,083	363,220	224,071	966,589	297,881	445,767	149,912	902,888	742,177	0	4,138,588
1970	9,921	50,800	440,876	159,960	1,552,614	408,253	672,922	99,254	712,724	706,755	47,946	4,861,825
1971	2,109	114,266	714,293	53,029	1,291,387	150,619	314,268	87,096	1,238,068	654,268	8,798	4,610,201
1972	0	152,572	494,851	59,643	1,012,888	146,030	406,256	16,976	780,282	1,209,031	0	4,278,529
1973	0	48,825	459,217	69,736	887,888	93,098	399,443	8,488	588,725	777,110	0	3,332,530
1974	0	99,983	1,209,712	34,883	1,312,215	21,486	686,767	77,689	1,171,318	348,813	13,346	4,976,222
1975	0	285,659	1,108,175	103,497	2,360,150	64,956	360,989	98,280	1,051,443	437,209	14,989	5,865,357
1976	0	158,415	820,335	178,403	1,799,610	200,882	654,609	207,086	357,049	351,662	16,672	4,744,744
1977	2,783	635,514	750,958	214,835	1,631,307	221,437	292,917	93,751	282,150	318,861	18,337	4,462,839
1978	3,561	385,951	393,236	200,997	902,361	195,656	279,164	93,942	1,287,317	1,287,317	19,958	4,498,618
1979	0	280,595	592,923	93,392	1,482,802	113,933	440,752	117,453	826,505	906,012	21,499	4,875,866
1980	3,561	470,163	834,569	169,067	1,307,164	322,317	290,224	103,377	888,400	483,317	22,920	4,895,079
1981	4,033	414,820	1,148,075	273,822	781,509	234,584	253,899	81,833	252,751	519,923	24,192	3,720,649
1982	0	234,742	498,144	85,261	605,878	281,391	289,639	210,954	906,330	254,303	25,303	3,657,565
1983	1,453	149,309	419,133	47,704	963,202	105,443	545,726	801,767	545,726	801,767	26,252	3,366,531
1984	4,892	322,463	429,216	119,268	983,520	59,904	171,008	52,091	860,996	938,839	27,059	3,979,328
1985	0	200,587	285,318	137,020	1,327,329	91,942	172,344	38,557	546,997	604,491	27,772	3,502,357
1986	5,949	455,829	361,868	55,095	876,499	70,211	326,546	21,576	1,433,478	1,433,478	0	4,478,820
1987	1,546	440,556	596,632	98,527	674,828	116,707	203,180	40,202	579,425	777,093	0	3,528,696
1988	13,317	580,403	552,905	368,466	755,343	288,255	197,853	83,504	553,927	617,135	0	4,011,108
1989	0	237,540	418,152	232,271	1,869,911	186,911	176,409	65,896	338,463	860,152	29,966	3,125,255
1990	0	189,374	521,168	95,327	578,438	149,492	268,593	76,256	230,408	346,315	23,973	2,776,382
1991	0	207,047	489,374	208,517	936,689	195,069	208,517	77,726	233,400	1,075,401	23,973	3,763,687
1992	0	314,834	716,094	225,630	1,362,432	268,292	376,989	89,032	401,425	626,420	95,912	4,333,105
1993	2,906	260,586	526,558	217,593	570,072	206,848	269,188	60,325	1,338,336	1,043,116	0	4,206,479
1994	0	194,189	466,610	84,690	92,783	128,914	301,793	186,418	1,088,794	1,383,613	11,989	4,616,162
1995	0	166,120	430,834	43,221	1,088,351	61,573	301,793	94,413	1,463,104	1,468,428	19,288	5,140,010
1996	0	194,521	505,871	38,862	2,046,644	59,910	295,520	89,263	1,764,133	1,390,947	21,757	6,407,422
1997	0	203,804	358,461	30,961	1,974,360	34,234	300,397	138,070	1,544,632	1,535,028	4,319	6,124,267
1998	0	339,948	521,876	78,064	1,589,022	71,803	257,901	225,543	1,794,589	1,573,377	6,688	6,398,812
1999	0	206,286	391,543	105,462	2,110,905	66,952	439,555	241,498	2,068,022	1,516,593	2,671	7,149,486
2000	0	274,876	577,823	46,034	1,622,427	79,910	355,035	49,960	2,848,507	1,576,870	0	7,431,442
2001	0	119,315	367,782	77,225	1,267,464	70,922	484,127	72,769	1,688,743	1,608,652	0	5,756,998
2002	0	303,541	244,160	141,994	667,137	164,751	230,101	73,343	1,327,118	1,043,116	0	4,206,479
2003	2,906	314,303	322,586	97,308	1,918,273	78,839	419,729	171,169	1,338,336	859,935	5,995	5,518,162
2004	2,219	400,612	360,165	26,677	1,154,742	33,833	283,215	145,895	1,096,285	514,160	0	4,073,034
2005	0	247,373	649,154	61,462	1,597,006	23,807	358,684	144,141	952,998	1,710,455	53,951	4,586,518
2006	0	315,531	864,306	55,520	2,228,084	26,000	425,609	151,908	1,082,153	710,455	0	8,659,567
2007	9,330	368,681	668,503	32,844	2,379,813	48,029	274,009	141,739	1,129,852	1,614,530	40,282	6,707,612
2008	0	393,323	817,658	40,135	2,317,671	33,746	264,875	90,689	1,049,045	1,620,020	12,934	6,640,096
2009	0	248,148	480,406	8,214	1,739,781	8,214	302,916	139,671	2,534,675	1,822,107	6,390	7,383,834
2010	3,913	278,864	293,600	101,527	1,739,781	4,521	211,791	50,809	1,986,548	2,135,232	0	6,328,511
2011	1,461	144,136	470,380	27,562	2,488,852	3,014	392,617	306,401	2,724,687	1,043,116	0	8,948,451
2012	0	146,926	595,745	9,006	2,607,562	21,804	327,436	2,398,341	2,988,741	3,298,741	19,910	9,242,268
2013	0	386,098	751,567	12,940	2,758,507	21,476	345,148	188,993	1,807,877	1,517,825	5,299	7,731,668
2014	0	377,888	834,316	22,636	3,109,225	11,077	474,127	238,881	1,837,244	1,624,399	12,245	8,541,534
2015	0	959,937	1,168,852	50,305	3,566,905	7,536	522,495	245,573	1,691,639	907,509	36,350	8,541,299
2016	0	446,653	897,674	21,037	2,103,710	52,345	331,939	154,639	1,471,441	1,148,629	12,299	6,689,361

Averages:  
 Long Term 278,236 627,080 1,040,041 1,431,876 1,140,666 108,548 1,021,831 12,908 5,034,975  
 3-yr 394,670 966,947 47,648 2,926,613 23,653 213,030 1,663,508 1,226,846 79,296,065  
 % Change from:  
 Long Term -100.0 62.2 44.2 -33.1 48.1 -25.0 -11.5 -6.4 -39.4 33.6  
 3-yr #DIV/0! 13.2 -7.2 46.9 -28.1 41.0 39.2 24.1 -23.2 24.1 -15.6 -39.4  
 2015 #DIV/0! 24.1 -23.2 39.2 41.0 39.2 24.1 -23.2 24.1 -15.6 -39.4 -15.6 -39.4  
 2015 -21.7

Northern Shoveler breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT	N, AB, BC, NT	S, AB	N, SK	S, SK	N, MB	S, MB	MT	ND	SD	WI, ON	Total
	(1-12), (13-19, 20, 75-77)	(26-29)	(30-35)	(21-23)	(24-25)	(36-40)	(41-42)	(43, 45-47)	(44, 48-49)	(50)	(51)	(52)
1955	2,530	289,189	397,210	4,223	667,073	2,644	54,728	78,979	28,256	117,609	0	1,642,809
1956	2,723	194,706	404,963	1,927	854,377	0	66,919	76,381	58,266	121,557	0	1,781,409
1957	5,105	104,017	349,831	0	637,868	7,931	85,433	74,589	85,263	126,068	0	1,476,104
1958	18,179	232,741	442,257	2,622	335,357	881	83,397	136,049	62,870	132,069	0	1,383,766
1959	14,167	603,841	321,119	19,734	264,463	37,452	160,841	72,240	45,321	38,413	0	1,577,591
1960	13,267	202,540	431,919	0	604,342	15,455	142,542	184,807	184,807	156,292	1,971	1,824,513
1961	24,007	409,699	303,463	0	233,867	16,676	121,437	70,611	106,849	96,353	0	1,382,962
1962	13,804	215,592	196,817	8,991	79,804	26,437	49,457	71,065	271,520	335,465	0	1,268,952
1963	9,348	129,580	378,016	5,826	196,937	36,385	124,473	221,030	221,030	225,378	0	1,398,436
1964	11,750	493,763	341,960	50,048	375,309	59,289	119,808	73,927	102,768	95,729	0	1,718,260
1965	28,074	201,416	276,232	34,609	293,647	37,225	107,196	65,712	289,351	90,194	0	1,423,657
1966	29,486	192,533	470,859	26,779	809,890	36,402	99,257	290,403	83,089	108,284	0	2,146,961
1967	24,225	142,084	538,540	10,339	807,683	32,131	170,010	403,759	82,204	82,204	5,170	2,314,697
1968	150,176	110,788	394,635	18,861	479,420	30,088	77,178	194,769	150,576	150,576	0	1,664,488
1969	58,347	65,531	433,252	25,358	777,381	36,414	151,188	109,616	304,021	195,675	0	2,158,783
1970	85,431	77,653	329,082	20,884	760,655	49,892	126,678	64,877	454,946	260,326	0	2,230,414
1971	37,814	141,064	423,593	13,321	907,672	31,121	68,253	219,386	103,235	103,235	457	2,011,420
1972	68,324	197,432	435,736	14,916	921,903	27,250	119,047	289,856	330,852	330,852	0	2,466,458
1973	72,934	167,736	466,095	6,490	538,385	32,391	47,958	129,743	110,598	110,598	0	1,619,001
1974	139,602	135,281	587,970	7,327	705,214	8,541	97,552	219,635	219,635	51,110	1,035	2,011,298
1975	40,928	145,045	550,321	21,744	730,330	21,539	51,295	225,237	225,237	92,850	1,236	1,980,758
1976	83,955	89,765	325,035	5,102	822,932	13,690	157,731	102,216	89,700	96,503	1,438	1,748,066
1977	199,386	327,871	220,775	35,822	422,711	43,865	38,935	31,050	71,150	58,643	1,639	1,451,847
1978	218,676	85,636	258,970	16,323	426,651	26,028	65,159	179,228	277,507	419,081	1,840	1,975,298
1979	110,648	121,657	391,405	8,442	692,352	15,402	85,859	189,635	447,304	341,768	2,037	2,406,509
1980	392,743	388,768	388,768	27,920	494,687	19,116	56,678	52,204	181,923	2,230	2,406,509	
1981	622,673	260,205	503,911	30,242	335,314	26,185	99,799	121,811	264,096	66,699	2,417	2,333,551
1982	161,282	99,469	320,364	12,230	699,031	26,777	135,382	160,721	377,399	152,396	2,597	2,147,638
1983	186,586	83,435	200,299	16,920	792,829	15,033	121,693	194,267	61,827	199,992	2,772	1,875,652
1984	235,308	163,402	187,302	15,588	370,934	19,692	47,806	65,025	273,328	236,942	2,941	1,618,247
1985	176,998	116,511	321,237	8,461	670,984	25,997	76,351	153,206	113,157	113,157	3,107	1,702,092
1986	264,923	237,038	220,715	4,191	538,761	10,570	156,167	379,769	244,685	379,769	2,030	2,128,193
1987	326,707	223,152	330,681	14,673	375,780	34,286	87,331	255,490	226,887	226,887	2,030	1,950,177
1988	404,050	258,445	165,576	54,233	428,308	33,997	99,826	118,426	84,367	84,367	0	1,680,920
1989	294,518	227,973	227,934	10,834	243,769	28,692	56,016	158,666	185,652	185,652	2,030	1,538,342
1990	361,987	261,932	322,514	24,936	447,811	26,169	66,287	86,287	67,077	79,245	4,059	1,759,343
1991	362,656	221,594	294,468	13,434	473,397	33,684	66,919	79,245	79,245	79,245	6,091	1,716,185
1992	365,676	284,670	241,407	50,484	571,923	58,291	137,890	114,706	102,008	102,008	0	1,954,371
1993	263,221	244,143	421,445	18,791	327,313	25,341	60,507	175,132	213,413	213,413	0	2,046,469
1994	499,960	166,712	421,445	27,988	737,458	30,176	43,640	507,801	283,523	283,523	0	2,912,021
1995	464,560	127,581	267,573	36,547	763,877	49,341	140,376	81,359	350,040	350,040	0	2,854,877
1996	481,325	117,834	373,845	23,876	1,212,812	11,800	176,733	109,320	653,775	287,636	0	3,448,958
1997	497,236	204,387	443,177	29,290	1,660,718	8,524	161,391	209,101	492,235	414,325	0	4,120,384
1998	852,469	394,370	329,423	16,225	790,546	27,100	91,713	360,578	360,578	230,323	0	3,183,223
1999	658,478	219,006	408,219	18,095	1,281,260	8,586	160,899	235,634	535,036	364,334	0	3,889,548
2000	846,385	247,967	380,429	18,091	899,774	18,180	175,829	60,324	646,965	226,793	0	3,520,738
2001	666,271	203,692	267,780	10,777	718,127	16,992	199,358	86,116	682,488	461,905	0	3,313,505
2002	580,831	371,369	273,949	10,877	310,154	27,555	100,174	76,170	378,812	131,238	0	2,318,192
2003	670,867	318,274	448,369	2,492	1,437,742	7,576	123,026	321,499	321,499	100,883	2,029	3,619,573
2004	642,604	246,511	384,649	14,708	783,624	16,079	143,871	360,840	360,840	100,883	0	2,810,431
2005	666,202	213,074	547,641	12,751	1,313,596	15,861	210,530	429,389	89,741	89,741	0	3,591,472
2006	408,631	192,543	700,753	6,564	1,611,641	5,300	177,794	96,720	136,526	136,526	0	3,680,225
2007	579,501	345,992	977,152	16,688	1,655,879	11,483	115,759	96,720	450,615	303,054	0	4,552,843
2008	463,818	322,333	617,572	11,985	1,183,784	18,663	89,552	48,382	410,849	332,418	6,567	3,507,828
2009	626,117	296,698	526,801	6,984	893,708	9,003	136,599	237,407	1,192,986	616,483	0	4,376,320
2010	322,344	132,881	475,055	2,483	794,998	1,185	87,073	63,830	982,908	727,083	0	4,057,429
2011	376,760	274,657	376,760	862	1,496,025	4,304	148,478	219,829	868,871	568,016	0	4,640,970
2012	348,463	348,463	914,995	852	1,857,662	10,255	137,772	158,132	926,582	359,885	0	5,017,561
2013	372,968	371,612	914,033	19,491	1,705,834	15,834	148,999	827,554	491,861	491,861	0	4,751,030
2014	396,574	454,468	887,162	16,314	1,711,046	5,489	255,034	208,578	927,236	495,074	2,072	5,278,857
2015	560,476	785,611	460,942	11,201	1,692,399	8,569	130,760	163,064	206,911	206,911	0	4,591,455
2016	296,666	237,188	428,511	15,840	787,689	22,006	113,291	97,893	345,482	222,957	964	2,568,487
Long Term	443,139	537,230	754,053	10,033	1,536,785	9,535	168,288	157,965	582,889	345,113	691	4,545,731
% Change from: Long Term	91.7	244.3	7.7	-83.9	54.6	-34.3	5.2	4.5	11.1	49.8	-100.0	55.8
3-yr	26.5	46.2	-38.9	-21.5	-28.7	69.8	-8.9	-37.3	-34.3	-4.0	-100.0	-12.7
2015	41.3	72.9	-48.0	-76.9	-28.7	69.8	-8.9	-37.3	-12.6	58.6	0	-9.7
Averages:												
Long Term												
3-yr												
% Change from: Long Term												
3-yr												
2015												

Canvasback breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N. AB, BC, NT (13-19, 20, 75-77)	S. AB (26-29)	N. SK (21-23)	S. SK (30-35)	N. MB (24-26)	S. MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	48,591	52,742	96,240	22,330	266,234	43,842	36,663	9,037	11,563	2,015	0	588,257
1956	50,247	56,406	98,733	12,988	397,376	28,448	60,686	8,292	13,022	2,351	0	698,509
1957	59,387	25,063	100,592	0	362,043	5,889	48,505	7,670	14,340	2,602	0	626,072
1958	39,289	75,646	168,707	0	249,673	22,583	118,030	7,135	30,675	2,836	32,256	746,830
1959	77,409	80,638	78,148	36,022	81,192	79,590	39,344	6,669	6,870	2,801	0	488,684
1960	85,593	56,821	58,254	118,071	118,071	57,581	75,702	6,328	13,171	1,438	121,491	605,698
1961	14,690	50,009	63,861	43,416	120,986	68,255	54,850	6,058	3,058	1,438	7,266	435,251
1962	22,732	32,739	54,620	4,700	175,656	17,214	42,264	5,850	2,222	2,241	0	360,238
1963	69,254	100,405	77,628	42,715	90,882	42,735	57,910	6,627	14,704	2,627	1,681	506,235
1964	77,777	89,014	83,828	154,436	107,655	24,766	76,616	5,585	17,234	4,977	1,850	643,636
1965	66,523	44,632	100,526	26,661	126,893	50,530	82,630	3,080	18,993	2,032	0	522,120
1966	96,656	151,538	68,517	167,823	173,237	29,357	65,224	542	53,556	6,130	0	663,114
1967	48,854	33,354	97,884	23,738	137,480	50,489	75,248	1,598	26,508	3,504	1,919	502,576
1968	140,795	106,678	57,901	18,005	99,523	82,206	35,178	3,487	17,338	2,580	0	563,691
1969	63,450	76,527	26,683	12,819	162,416	17,597	61,754	5,543	58,871	17,871	0	503,530
1970	42,606	44,076	49,437	11,628	238,949	112,373	46,629	3,620	24,725	6,057	0	580,100
1971	46,233	49,169	39,010	1,263	202,092	14,621	69,283	5,631	14,710	2,773	5,889	450,674
1972	92,862	26,701	65,481	6,945	135,333	14,373	33,124	6,709	30,225	14,159	0	425,912
1973	127,100	50,780	54,039	7,787	228,926	65,701	34,909	9,648	28,501	13,060	0	620,451
1974	81,750	29,007	100,193	1,894	181,819	7,519	34,370	3,320	62,980	6,357	0	512,842
1975	39,593	64,289	78,945	9,522	252,884	19,961	77,565	2,112	39,286	5,599	5,633	595,068
1976	48,531	40,110	52,081	17,133	263,277	22,346	110,778	16,231	15,302	3,115	5,466	614,389
1977	168,622	49,316	64,639	16,772	256,461	28,225	58,162	3,168	10,282	3,115	0	664,042
1978	48,519	33,318	51,218	6,371	128,997	26,419	17,281	6,391	17,021	12,326	5,403	373,174
1979	62,365	51,826	53,462	8,575	300,931	11,627	49,316	10,443	42,695	5,553	5,210	582,004
1980	152,230	66,440	66,440	8,770	287,205	45,549	45,835	4,771	28,538	8,005	5,102	734,570
1981	133,576	133,507	49,418	36,764	110,099	43,366	65,875	5,357	31,949	4,986	4,899	620,843
1982	100,272	49,927	73,779	18,198	151,895	17,643	49,479	12,521	32,410	2,241	4,877	513,265
1983	109,231	68,981	49,684	12,628	212,701	15,542	33,382	4,964	12,389	2,293	0	528,612
1984	118,223	80,016	26,610	11,560	157,655	22,879	38,249	3,508	50,876	15,805	4,748	530,129
1985	80,541	14,107	56,591	6,911	118,752	21,950	45,576	2,089	20,116	4,610	4,685	375,929
1986	84,647	54,894	59,172	1,872	127,229	11,465	46,363	2,828	36,324	11,456	0	438,350
1987	99,281	27,809	53,490	3,950	184,156	9,615	36,467	980	28,693	5,668	0	450,109
1988	77,259	67,697	54,769	119,017	119,017	32,487	37,464	2,149	19,248	7,622	0	435,048
1989	131,649	110,005	36,657	12,103	81,515	22,387	33,480	5,145	39,193	5,305	0	477,439
1990	93,058	67,559	78,128	20,678	195,646	10,836	51,597	10,836	10,086	8,131	0	539,318
1991	125,852	80,103	58,413	13,450	30,547	24,656	43,289	1,026	8,553	5,262	0	491,151
1992	93,592	32,760	32,760	2,835	95,740	60,952	60,952	5,578	17,294	2,241	0	481,529
1993	82,466	127,926	45,856	11,365	93,027	41,244	32,976	9,341	19,833	8,018	0	472,055
1994	81,169	69,841	63,970	9,463	117,734	72,006	28,232	12,507	56,061	14,623	0	525,604
1995	125,596	120,157	60,492	12,217	282,285	20,342	91,838	8,015	42,041	7,611	0	770,593
1996	157,513	136,007	66,975	8,025	282,952	41,772	83,032	8,559	58,597	9,059	0	848,487
1997	44,986	93,403	68,518	22,372	246,056	27,968	63,531	9,588	69,152	9,180	0	688,754
1998	105,259	100,346	68,550	15,024	280,948	23,275	66,465	6,070	49,395	4,529	0	685,862
1999	88,957	151,409	56,133	16,718	253,376	28,622	70,515	4,944	42,279	2,945	0	716,039
2000	186,670	83,430	73,179	1,945	232,189	34,646	63,684	3,492	20,845	6,674	0	706,754
2001	89,029	62,722	31,885	10,105	232,199	21,460	56,310	4,541	66,508	5,067	0	579,826
2002	135,323	121,025	14,481	8,402	73,255	29,248	63,272	1,245	32,500	7,846	0	486,597
2003	88,976	69,687	69,687	4,960	194,783	8,270	41,815	10,886	20,008	3,067	0	557,575
2004	161,344	109,270	50,159	21,845	120,932	27,969	70,055	10,399	37,500	7,754	0	617,227
2005	95,049	109,426	42,688	26,453	162,444	47,658	47,658	3,389	27,895	4,732	0	520,574
2006	73,236	109,426	76,283	1,764	286,689	11,009	87,474	10,466	28,405	6,260	0	691,013
2007	91,717	138,910	127,296	15,243	324,344	18,917	77,250	15,429	47,172	8,645	0	864,924
2008	17,924	83,901	78,940	1,279	166,331	22,055	30,524	7,747	21,436	4,530	0	488,667
2009	41,301	88,111	51,880	14,364	280,330	34,346	48,396	10,817	82,101	10,470	0	662,135
2010	56,884	71,544	39,136	8,312	192,482	9,934	34,693	23,285	119,842	29,052	0	585,164
2011	22,487	33,131	33,131	23,406	334,961	7,121	67,628	10,700	117,327	23,705	0	691,560
2012	34,998	92,511	145,592	10,119	312,992	16,720	52,486	5,847	72,444	16,226	0	759,935
2013	34,505	92,287	54,318	1,279	312,992	28,748	61,998	10,163	109,953	12,375	0	786,978
2014	20,863	61,830	71,445	12,473	324,800	10,521	59,423	6,233	104,865	12,810	0	685,262
2015	40,806	109,174	114,550	17,034	270,237	18,345	37,511	6,573	130,676	12,575	0	757,281
2016	77,946	143,918	172,085	5,609	256,417	29,609	67,700	11,807	62,351	9,030	0	736,472
Averages:												
Long Term	84,317	76,666	66,278	15,639	200,524	31,278	56,071	6,736	38,108	7,279	3,777	566,673
3-yr	46,539	104,974	85,960	11,705	283,818	19,492	54,878	8,204	99,297	11,472	0	726,338
% Change from:												
Long Term	-7.7	90.5	-16.1	-64.5	28.5	-5.4	21.2	77.5	65.3	24.5	-100.0	26.1
3-yr	67.5	37.1	-37.0	-52.1	-9.7	23.4	-21.3	43.9	-37.2	-21.3	#DIV/0!	1.4
2015	91.0	31.8	-37.0	-67.1	-5.1	61.4	80.5	79.6	-52.3	-28.2	#DIV/0!	-2.7

Redhead breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N. AB, BC, NT (13-19, 20, 75-77)	S. AB (26-29)	N. SK (21-23)	S. SK (30-35)	N. MB (24-26)	S. MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	77	73,372	140,504	16,960	215,438	37,382	42,358	4,900	7,098	1,835	0	539,943
1956	82	66,319	145,690	0	449,138	16,487	53,460	4,518	13,226	8,400	0	757,320
1957	46	37,478	105,884	1,037	266,765	17,258	37,982	4,337	24,047	14,252	0	508,086
1958	0	29,463	127,205	0	143,540	0	99,124	4,255	34,122	19,413	0	457,122
1959	0	133,770	113,249	0	108,583	0	123,685	4,209	15,277	0	0	498,774
1960	482	52,896	134,155	19,899	134,155	21,661	68,128	4,189	88,880	30,060	6,142	497,783
1961	49	56,811	78,127	6,231	46,550	46,343	31,367	4,185	39,329	14,312	0	507,506
1962	170	98,593	44,294	11,410	10,137	40,430	41,94	4,194	91,214	56,382	0	513,426
1963	373	18,157	79,611	12,818	44,602	12,672	93,075	4,218	97,366	50,534	0	413,426
1964	53	72,963	88,569	29,003	105,288	21,818	97,307	4,257	58,497	50,370	0	528,125
1965	1,303	9,436	93,321	29,616	114,140	26,792	148,576	2,639	117,107	56,379	0	598,308
1966	56	16,535	190,141	7,779	124,630	26,435	83,969	4,170	203,067	56,704	0	713,086
1967	57	29,065	194,413	27,352	175,999	45,075	68,163	12,361	163,101	20,105	0	735,691
1968	58	29,209	84,971	34,890	134,866	49,042	38,305	3,577	93,292	33,356	0	499,386
1969	59	9,756	117,774	6,055	137,803	32,319	60,186	2,573	177,058	87,803	1,807	633,193
1970	60	8,254	74,686	2,271	179,593	66,893	81,413	2,022	153,479	53,581	0	622,252
1971	60	14,551	68,723	6,677	169,263	22,634	65,647	2,414	123,729	60,690	1,031	534,420
1972	61	17,666	118,113	3,784	158,555	17,703	59,523	0	126,908	48,567	0	550,880
1973	61	19,554	89,099	3,890	176,286	22,838	57,499	2,414	94,556	34,579	0	500,776
1974	61	7,986	155,310	7,571	237,626	4,888	86,899	1,049	110,666	20,209	971	626,322
1975	62	14,860	181,735	2,271	305,700	16,560	66,912	735	214,803	27,288	966	831,901
1976	62	6,122	173,409	13,584	311,671	6,514	83,148	2,667	63,634	4,096	967	666,865
1977	9,912	33,307	202,082	4,163	224,321	25,240	88,131	3,156	31,903	10,809	938	633,962
1978	62	28,690	133,845	6,326	130,314	12,490	68,856	6,984	191,765	144,417	899	724,648
1979	901	26,580	100,666	7,569	220,475	7,327	73,277	14,710	191,765	50,937	832	697,470
1980	2,408	35,245	268,364	6,812	190,929	26,537	42,065	4,372	122,694	28,220	730	728,375
1981	10,231	34,527	111,109	23,055	138,422	46,464	108,310	25,024	258,185	22,036	590	594,925
1982	63	13,928	57,828	6,990	123,435	21,618	74,196	14,999	75,157	45,190	419	516,851
1983	939	15,160	60,412	20,716	232,232	8,841	53,761	10,503	226,250	82,860	229	711,902
1984	186	42,008	98,329	7,221	201,569	4,111	16,455	19,180	170,279	11,944	39	671,321
1985	0	9,176	133,947	4,920	219,584	12,266	42,215	2,667	116,866	35,942	0	578,153
1986	1,636	31,598	123,277	7,096	181,600	9,755	33,375	3,556	103,480	64,234	0	559,607
1987	186	5,634	143,546	10,040	154,252	7,422	44,788	3,446	99,024	34,087	0	502,425
1988	4,360	17,706	85,673	11,633	189,306	9,874	46,141	2,721	55,196	19,265	0	441,875
1989	3,378	41,795	96,588	2,136	137,780	5,933	27,686	7,038	133,434	55,084	0	510,712
1990	3,625	42,319	162,824	1,514	137,203	15,070	74,187	7,800	16,958	16,707	2,710	480,917
1991	14,619	55,021	110,780	1,443	131,056	26,068	73,792	6,428	14,749	11,665	0	445,621
1992	659	83,888	112,004	1,515	150,261	11,278	111,235	5,544	78,760	40,965	0	595,609
1993	1,679	72,507	110,341	1,098	85,677	7,396	36,783	5,274	102,218	62,444	0	485,418
1994	1,449	30,951	110,274	15,440	183,461	23,023	32,266	3,353	154,966	98,194	0	653,468
1995	0	16,228	95,242	7,502	345,118	9,459	125,011	3,356	218,198	66,371	0	888,484
1996	639	23,900	102,699	3,788	293,215	8,549	86,549	8,139	257,856	54,278	0	834,231
1997	219	62,402	188,866	2,522	308,498	7,572	71,847	4,281	216,529	55,551	0	918,286
1998	0	67,535	67,548	3,453	268,106	27,768	158,068	6,126	327,549	78,926	0	1,005,079
1999	0	94,805	180,745	0	288,320	30,058	57,310	6,327	259,787	56,043	0	973,394
2000	622	25,773	106,769	1,557	323,806	39,080	87,763	1,803	206,110	33,015	0	926,298
2001	0	26,272	53,950	824	224,287	7,309	117,236	4,766	226,403	50,967	0	712,015
2002	4,550	37,934	112,539	6,740	94,886	21,660	57,883	9,468	143,498	75,645	0	564,803
2003	2,976	29,301	96,923	15,099	271,324	11,256	70,827	14,209	96,383	28,502	0	636,799
2004	2,360	73,356	78,910	6,411	131,193	24,941	101,990	11,174	161,331	13,678	0	605,345
2005	224	49,435	91,349	7,471	225,591	5,878	97,738	1,195	103,863	9,552	0	592,295
2006	10,080	58,885	154,266	366	434,958	4,793	101,814	8,510	114,287	28,317	0	916,274
2007	1,720	79,565	178,960	4,866	414,189	5,112	71,520	2,963	196,685	53,384	0	1,008,952
2008	2,097	93,870	332,878	1,919	383,044	10,044	55,902	3,153	135,663	37,391	0	1,055,962
2009	846	28,524	134,955	2,518	385,329	3,695	68,768	23,774	397,203	98,504	0	1,044,115
2010	1,401	51,137	90,305	384	316,481	2,991	107,237	10,521	363,577	120,142	0	1,064,177
2011	846	14,914	166,718	16,363	438,190	176	64,964	13,867	505,552	134,487	0	1,356,076
2012	0	16,355	183,478	10,466	382,884	8,872	98,792	16,721	459,829	42,486	0	1,269,883
2013	1,039	22,140	204,086	0	437,322	4,575	70,927	17,94	350,238	110,074	0	1,202,194
2014	0	59,173	262,681	768	541,828	880	95,451	3,127	238,392	76,439	0	1,278,738
2015	0	47,147	167,370	5,175	602,832	11,172	102,439	2,843	198,257	55,044	3,665	1,186,934
2016	693	86,599	218,921	2,667	637,237	8,638	144,583	5,208	147,162	37,066	0	1,288,793

Averages:  
Long Term  
3-yr  
% Change from:  
Long Term  
3-yr  
2015  
#DIV/0!

1,450  
64,306  
-52.6  
200.0  
1.039  
693  
40,453  
216,324  
118.1  
34.7  
83.7  
129,487  
216,324  
71.0  
1.2  
30.8  
7,675  
2,877  
-65.4  
7.3  
5.7  
235,022  
593,965  
179.0  
25.2  
-22.7  
16,888  
6,897  
-49.3  
5.7  
-2.7  
6,254  
3,726  
-17.0  
39.8  
83.1  
6,254  
3,726  
-17.0  
39.8  
83.1  
49,222  
194,604  
-5.9  
-24.4  
41.1  
156,209  
194,604  
-25.8  
-25.8  
370  
1,218  
-100.0  
2.7  
-100.0  
7.8  
1,254,488  
81.9  
-34.0  
-32.7

Greater Scaup and Lesser Scaup breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT	N. AB, BC, NT	S. AB	N. SK	S. SK	N. MB	S. MB	MT	ND	SD	WI, ON	Total
	(1-12), (13-19, 20, 75-77)	(26-29)	(30-35)	(21-23)	(24-26)	(36-40)	(41-42)	(43, 45-47)	(44, 48-49)	(50)		
1955	753,529	2,800,646	427,241	383,247	856,236	1,193,934	1,712,877	56,138	19,682	13,352	16,624	5,620,130
1956	785,945	2,648,479	483,205	163,496	1,274,657	1,521,444	147,872	52,847	18,988	13,667	252,774	5,994,080
1957	612,344	2,523,084	515,078	388,610	896,118	1,874,918	485,072	187,491	18,458	13,930	74,774	5,766,942
1958	796,797	2,442,658	490,625	1,601,104	519,954	2,621,900	535,666	47,474	11,701	14,139	89,064	5,350,372
1959	795,959	4,118,304	400,167	2,409,930	683,122	2,644,667	360,682	45,340	22,118	13,608	92,914	7,037,610
1960	831,350	2,630,023	325,779	88,984	66,281	2,654,420	265,420	43,606	40,687	18,316	73,672	4,868,569
1961	883,245	3,035,070	393,608	127,116	419,505	1,320,448	227,101	42,246	18,301	8,131	83,674	5,380,045
1962	1,252,000	2,746,477	231,904	165,153	418,844	1,051,668	153,191	41,219	77,726	32,907	63,674	5,286,098
1963	1,149,391	3,081,749	358,495	207,330	174,445	1,053,893	207,330	15,081	11,014	11,014	60,909	5,438,402
1964	1,005,518	2,909,374	400,469	244,863	140,384	1,458,939	145,839	39,961	2,957	1,392	78,284	5,131,798
1965	665,936	2,714,311	306,502	290,519	167,313	1,302,734	130,274	27,804	14,004	29,172	30,884	4,638,964
1966	827,528	2,892,733	238,706	192,211	193,509	1,124,444	112,444	27,804	14,004	29,172	30,884	4,438,240
1967	582,826	2,897,293	346,752	330,869	191,208	1,205,663	120,563	44,744	15,475	29,718	80,784	4,492,671
1968	982,187	2,253,631	333,992	279,555	95,641	83,242	42,954	22,121	16,638	22,329	111,078	4,412,682
1969	909,939	2,707,741	350,869	298,484	338,225	59,758	50,035	27,016	36,326	12,122	71,257	5,139,780
1970	847,809	3,008,370	367,910	255,669	322,829	375,880	88,839	33,229	28,305	74,420	59,189	5,662,477
1971	712,499	3,221,234	299,466	255,069	222,426	189,620	101,129	15,585	28,182	7,306	90,746	5,143,262
1972	772,525	5,483,114	426,765	463,913	242,571	310,593	69,223	39,506	30,418	41,082	117,256	7,996,967
1973	844,139	3,775,802	588,899	406,364	230,379	187,038	66,179	49,232	41,881	19,232	48,271	6,257,416
1974	709,266	3,081,686	368,630	512,154	377,899	146,280	146,280	35,838	37,277	13,012	90,614	5,780,464
1975	630,445	3,528,071	382,728	439,869	622,166	296,659	160,029	26,414	12,744	12,744	90,626	6,460,024
1976	1,057,363	2,707,301	625,930	298,214	504,645	196,582	208,720	29,876	54,138	45,306	90,671	5,818,746
1977	1,236,660	3,047,468	477,693	311,079	702,247	194,254	129,710	34,417	19,683	16,374	90,752	6,260,238
1978	931,800	2,871,013	462,961	441,609	526,169	182,860	231,513	72,108	99,766	73,734	90,878	5,984,411
1979	869,502	3,849,246	687,495	774,361	774,361	1,756,771	89,640	86,562	199,175	36,692	91,054	7,657,943
1980	1,244,015	3,196,776	472,963	346,985	628,540	1,48,808	161,998	47,734	5,357	5,357	6,381	6,851,655
1981	1,033,374	3,303,857	469,335	244,662	277,144	293,553	114,930	35,823	19,092	19,092	91,577	5,990,883
1982	853,830	2,730,444	522,077	395,662	496,595	103,247	129,652	103,905	43,661	43,661	91,922	5,531,964
1983	992,949	3,575,832	491,943	583,000	844,809	221,280	177,679	47,127	92,617	54,262	92,300	7,173,798
1984	1,095,502	4,175,201	367,493	366,208	510,174	103,411	81,055	53,267	120,785	58,555	92,689	7,024,320
1985	816,638	2,600,686	363,182	623,208	319,833	115,311	113,234	19,962	102,100	30,653	92,988	5,097,966
1986	795,481	2,527,231	322,744	295,735	468,909	147,704	215,898	33,431	129,406	104,735	158,030	5,236,304
1987	797,827	2,701,361	256,190	270,331	278,187	193,653	150,304	44,737	91,392	35,422	83,325	4,862,729
1988	770,177	1,339,907	345,157	321,402	366,910	139,667	109,024	83,044	83,044	63,156	77,004	4,671,351
1989	768,778	2,467,280	157,957	208,113	104,917	88,955	38,794	88,955	80,442	80,442	144,813	4,342,050
1990	803,390	2,038,157	307,318	392,368	199,330	155,798	114,576	43,610	43,610	43,610	162,053	4,293,141
1991	1,170,594	2,061,038	299,766	836,778	2,061,038	152,481	75,251	89,932	66,800	66,800	193,659	5,254,899
1992	909,988	1,811,641	288,041	539,069	438,565	288,100	107,400	25,202	89,932	47,915	171,533	4,639,232
1993	951,309	1,838,798	268,358	352,122	496,597	195,497	44,981	28,299	36,565	7,289	36,264	4,080,144
1994	1,148,608	1,977,562	264,964	211,045	343,869	143,670	118,247	109,638	155,249	155,249	27,629	4,528,044
1995	946,247	1,784,120	368,514	243,642	518,644	215,337	116,142	108,498	108,498	152,249	4,934	4,446,443
1996	1,056,867	1,476,903	376,349	301,242	462,511	117,706	186,676	35,856	91,495	94,615	17,164	4,217,405
1997	800,166	1,632,592	347,675	352,466	489,482	158,051	94,811	32,892	115,514	75,614	13,289	4,112,349
1998	927,866	1,436,450	243,105	97,984	300,158	122,537	61,578	14,095	148,008	87,382	32,753	3,471,916
1999	955,974	1,133,616	228,223	351,563	272,775	191,628	72,369	28,049	20,777	40,303	1,795	4,411,723
2000	1,219,183	1,620,966	292,335	170,626	222,349	122,349	60,064	30,719	178,217	59,088	0	4,026,322
2001	1,148,144	1,475,601	201,944	184,193	320,615	68,924	74,164	21,488	130,282	44,526	14,129	3,694,010
2002	792,048	1,784,303	146,475	216,075	149,681	157,334	49,670	20,610	136,788	66,552	4,605	5,524,142
2003	969,704	1,736,075	172,052	251,357	251,357	142,661	48,575	24,622	140,738	36,997	0	3,734,444
2004	1,148,608	1,624,426	124,093	320,328	184,770	254,900	31,442	16,301	232,147	30,017	6,332	3,907,191
2005	862,435	2,892,548	128,509	176,007	381,286	172,820	60,074	12,845	104,983	30,286	0	3,366,893
2006	883,851	1,169,374	213,921	168,582	391,001	166,286	96,887	12,895	119,588	24,307	0	3,246,663
2007	1,191,270	1,261,018	182,318	173,918	302,053	133,327	50,384	12,895	159,588	22,946	0	3,452,233
2008	820,924	1,685,442	286,509	255,695	256,318	99,327	59,770	13,552	103,153	26,372	50,921	3,738,349
2009	947,143	2,378,279	228,023	445,886	323,877	230,600	70,097	236,451	39,651	39,651	7,977	4,172,097
2010	847,477	2,165,251	128,434	135,588	245,534	63,040	52,782	7,410	223,401	54,368	9,890	4,244,429
2011	847,477	2,839,272	228,023	338,647	346,797	119,830	84,724	26,934	176,758	75,711	8,726	4,319,289
2012	849,496	2,943,201	150,046	204,616	521,326	50,427	102,061	16,537	234,989	42,970	46,522	5,238,630
2013	547,712	2,343,201	150,046	185,264	89,363	38,146	89,363	10,982	200,612	84,205	40,723	4,165,678
2014	577,874	2,127,036	247,348	128,857	850,405	55,490	163,772	12,017	361,297	70,497	16,461	4,611,054
2015	653,481	2,214,959	261,901	218,792	470,840	95,198	112,256	42,647	355,392	42,647	31,414	4,386,305
2016	653,481	2,805,401	296,896	178,274	433,311	140,323	102,469	4,176	371,217	69,460	30,705	4,991,714
Averages:												
Long Term	897,346	2,525,853	329,660	306,068	416,961	1,733,333	1,262,250	33,139	99,609	42,586	64,874	5,015,679
3-yr	606,178	2,382,465	255,382	175,308	584,852	97,004	126,166	6,973	344,635	60,868	26,193	4,666,024
% Change from:												
Long Term	-27.5	11.3	-22.4	-42.1	4.0	-19.1	-87.6	230.3	64.8	14.1	-53.1	-0.5
3-yr	7.8	17.8	0.6	1.7	-25.9	-18.8	-40.1	-8.0	14.1	17.2	17.2	7.0
2015	11.3	26.7	-1.9	-18.5	-8.0	-47.4	-8.7	-11.6	-10.7	62.9	-2.3	13.6

Ring-necked Duck breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	NT, BC, NT (13-19)	20, 75-77	S, AB (26-29)	N, SK (21-23)	S, SK (30-35)	N, MB (24-26)	S, MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	110	240,319	1,430	8,813	97,443	27,218	40,817	2,133	1,218	606	23	40,182	451,486
1956	0	248,612	8,813	1,481	10,947	16,901	51,978	17,829	1,362	577	23	1,493	349,519
1957	0	144,020	4,472	0	11,669	0	0	6,955	1,481	553	121	0	165,523
1958	0	124,617	9,418	2,485	0	11,669	2,506	18,368	1,569	0	0	0	160,816
1959	0	502,257	9,418	2,485	0	11,669	2,506	53,155	1,630	0	0	0	599,010
1960	624	218,083	2,935	9,631	13,795	17,795	13,670	12,795	1,668	2,939	0	1,868	278,008
1961	0	121,889	8,352	0	8,352	0	0	17,362	1,687	0	0	1,855	198,383
1962	0	149,867	2,130	10,200	0	0	54,693	8,095	1,693	0	0	99,243	364,515
1963	0	128,820	1,662	158,424	0	0	0	22,903	1,689	858	955	67,608	461,723
1964	0	157,374	3,408	63,889	97,777	9,638	96,743	2,902	1,679	0	0	34,233	370,966
1965	0	235,624	11,012	97,384	23,183	97,496	8,877	8,877	3,236	29	0	35,623	512,484
1966	0	185,642	4,391	13,313	136,643	15,984	1,313	1,313	914	2,517	1,432	162,046	648,175
1967	0	141,396	3,732	10,360	141,059	9,984	7,405	9,984	7,405	0	1,117	60,025	493,212
1968	0	98,152	11,047	165,293	205,727	3,244	2,917	3,244	2,917	0	0	1,967	489,863
1969	0	62,905	8,687	164,452	6,459	6,459	6,626	6,626	222	584	0	18,275	374,740
1970	0	159,220	14,214	247,373	13,931	191,688	7,454	2,791	1,064	1,066	532	35,589	673,324
1971	0	155,243	36,221	193,395	7,175	217,630	0	0	0	1,056	0	46,812	658,064
1972	412	82,678	30,628	99,140	8,531	161,016	0	8,845	0	674	0	16,851	408,775
1973	0	121,405	2,002	97,495	0	59,939	11,530	0	0	0	0	32,703	333,316
1974	0	64,361	15,135	61,844	92,975	42,563	10,454	0	2,127	584	0	56,234	348,278
1975	0	123,159	26,015	112,640	53,769	137,873	16,356	0	0	1,168	0	59,440	530,420
1976	0	76,645	13,482	155,151	42,600	129,642	16,601	16,601	1,429	1,123	286	62,661	499,600
1977	62	202,878	23,939	133,688	38,991	79,101	9,046	9,046	1,429	1,123	431	65,887	535,615
1978	128	154,837	50,884	139,502	139,502	27,334	762	2,227	3,393	3,393	631	89,107	626,786
1979	764	91,260	21,324	92,592	46,839	85,298	33,768	8,433	8,433	8,433	631	72,311	453,220
1980	836	121,438	8,945	191,482	55,491	169,832	59,765	33,768	890	3,640	1,163	75,489	688,971
1981	9,626	120,313	29,526	279,199	40,994	194,943	58,844	0	890	0	2,789	78,630	815,754
1982	3,853	69,897	23,699	162,150	69,971	140,019	28,667	0	2,350	11,610	7,118	81,728	600,883
1983	3,501	144,927	12,682	154,626	21,765	147,033	32,438	16,263	2,520	103,023	59,044	84,779	780,082
1984	28,656	134,786	33,597	207,544	42,736	154,070	8,040	8,040	2,986	12,232	17,294	87,788	729,728
1985	16,286	88,159	18,727	181,788	21,387	185,941	16,468	0	3,460	3,460	1,393	90,772	628,713
1986	65,933	88,726	11,687	221,087	13,743	83,943	17,911	16,468	7,145	11,571	1,383	26,932	566,989
1987	38,287	121,134	18,557	267,576	29,575	203,625	3,190	29,575	3,190	14,415	14,415	6,733	732,528
1988	50,457	179,176	35,327	199,324	30,682	123,116	26,018	0	1,207	10,457	16,615	75,987	737,421
1989	24,751	152,267	46,509	98,543	8,620	100,612	15,673	15,673	1,207	10,457	17,685	64,444	543,824
1990	35,023	134,995	12,421	151,151	19,789	146,414	29,983	381	10,939	10,939	17,633	75,025	632,464
1991	18,669	131,749	14,924	189,372	19,606	171,340	19,246	370	6,949	6,949	17,633	81,758	657,626
1992	35,663	122,426	15,423	538,821	16,084	400,408	9,140	5,474	3,919	5,018	27,622	106,811	1,286,570
1993	39,781	220,323	9,559	228,559	32,829	120,113	191,076	5,887	4,007	425	2,602	161,498	867,927
1994	28,997	225,048	12,588	155,265	15,695	198,184	11,879	5,041	5,041	15,670	11,128	161,498	880,088
1995	26,090	211,286	8,960	139,170	36,010	151,835	11,679	6,860	6,860	44,359	11,561	257,021	954,961
1996	29,951	143,533	10,081	117,500	82,889	96,307	20,526	20,526	3,190	11,228	17,405	240,020	772,691
1997	36,999	385,574	37,449	174,733	56,057	121,803	27,675	0	0	11,228	19,129	319,803	1,192,452
1998	60,582	317,606	11,918	163,290	30,771	147,012	11,394	6,973	2,130	8,403	8,403	406,671	1,166,752
1999	19,150	365,723	51,981	301,184	57,237	102,510	16,596	2,355	2,355	20,602	25,726	140,159	1,103,225
2000	65,473	478,776	16,221	154,839	63,882	99,402	41,243	0	6,199	6,199	10,834	341,414	1,278,283
2001	86,529	256,834	20,167	154,818	36,316	158,846	37,998	2,945	13,291	13,291	8,698	163,228	939,669
2002	52,132	161,419	7,530	369,450	29,672	221,703	29,967	387	1,145	22,764	13,314	580,945	1,490,041
2003	96,086	322,451	31,096	163,261	27,212	179,157	39,984	3,920	3,920	10,601	8,920	350,540	1,229,696
2004	71,668	222,776	44,081	274,823	19,603	221,100	19,843	2,982	2,982	2,543	5,007	368,085	1,142,511
2005	78,618	290,904	12,895	264,008	6,927	187,767	20,652	1,762	1,762	9,561	6,080	137,546	1,016,720
2006	83,590	251,006	21,488	286,235	59,511	265,956	95,511	26,596	8,376	5,724	6,080	109,915	952,672
2007	61,467	238,283	31,962	249,523	22,637	205,858	40,462	4,954	9,742	13,363	2,886	184,272	1,060,457
2008	40,901	283,553	21,395	206,475	48,762	160,310	24,198	3,302	6,362	6,362	2,331	212,251	1,010,841
2009	28,999	481,195	24,994	256,468	39,289	155,848	15,072	19,249	16,889	20,389	19,249	210,345	1,268,527
2010	46,086	625,628	16,141	109,488	57,354	121,614	17,428	17,428	7,221	12,544	31,282	100,884	1,145,670
2011	30,577	452,835	7,800	97,774	111,520	46,264	9,736	32,951	1,506	39,076	75,659	132,557	1,005,305
2012	30,427	371,174	7,157	111,929	111,462	111,929	32,951	2,318	2,318	21,193	22,110	228,745	1,022,043
2013	21,822	531,718	13,538	85,927	101,132	233,165	85,812	0	42,002	42,002	0	0	1,214,742
2014	49,030	681,224	19,258	112,126	176,243	174,404	65,159	16,102	16,102	76,280	26,236	171,822	1,573,864
2015	40,902	726,904	14,008	99,181	121,347	121,640	72,792	8,319	8,319	27,511	30,577	177,134	1,503,316
2016	56,873	934,562	42,277	172,888	211,328	211,328	31,764	8,559	8,559	35,484	30,043	177,275	1,772,715
Averages:	24,459	238,236	18,165	152,506	40,026	134,177	22,641	22,641	3,100	11,280	10,332	118,474	773,396
Long Term	48,935	780,897	25,181	95,070	183,590	169,027	56,572	10,993	10,993	46,418	23,285	176,663	1,616,632
3-yr	137.7	312.0	137.9	-51.9	356.8	59.0	41.2	41.2	184.3	226.0	200.1	48.9	134.2
% Change from:	16.2	19.7	67.9	-22.3	-5.8	25.0	-43.9	-23.6	-29.0	-23.6	29.0	-0.9	9.7
Long Term	39.0	28.6	201.8	-25.5	-14.3	74.2	-56.4	2.9	2.9	29.0	121.3	-1.2	17.9
3-yr													
2015													

Bufflehead breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N, AB, BC, NT (13-19, 20, 75-77)	S, AB (26-29)	N, SK (21-23)	S, SK (30-35)	N, MB (24-25)	S, MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	25,420	236,080	26,140	30,606	7,641	19,237	12,415	667	0	0	8,269	366,485
1956	26,868	252,953	36,632	14,342	8,806	5,254	3,615	695	0	0	15,951	365,116
1957	26,885	213,382	33,770	18,826	14,205	1,675	1,197	725	7	0	0	310,673
1958	15,714	202,694	39,475	15,586	13,445	9,218	7,518	757	0	14	16,941	321,362
1959	43,294	409,513	44,641	60,868	8,968	11,364	9,710	792	0	0	6,058	554,948
1960	37,751	277,597	40,849	60,858	13,422	66,644	6,932	828	0	0	16,241	513,223
1961	25,485	274,641	53,212	16,535	9,498	26,293	8,262	865	0	0	9,303	424,094
1962	46,138	262,226	22,142	43,270	1,987	14,293	4,862	900	0	0	17,365	413,182
1963	37,426	210,776	26,546	33,662	11,196	11,592	15,169	932	75	0	25,832	373,205
1964	29,415	276,307	24,446	29,950	13,182	11,592	15,169	932	75	0	25,832	373,205
1965	40,510	252,212	71,138	23,252	22,877	6,266	20,486	962	0	0	0	388,536
1966	47,808	323,656	33,434	35,773	14,378	12,433	20,486	1,318	122	404	3,073	443,254
1967	54,147	256,133	48,640	54,732	18,058	12,433	13,238	1,290	144	404	4,305	486,863
1968	37,159	249,902	32,448	110,505	14,638	19,290	32,589	380	0	945	6,553	491,468
1969	32,946	358,755	44,142	67,740	39,162	55,202	10,007	2,050	0	0	51,306	578,055
1970	43,536	306,760	40,370	115,130	20,522	47,997	25,725	1,414	0	0	36,016	653,897
1971	44,545	452,695	33,837	121,094	12,612	20,507	8,379	376	1,805	0	21,637	642,280
1972	40,862	428,648	53,320	88,400	31,727	66,286	16,542	0	0	1,458	18,558	756,168
1973	40,487	299,541	30,593	17,890	32,360	84,400	6,368	645	2,607	0	18,298	541,076
1974	64,846	373,253	25,989	100,980	19,122	32,541	22,138	1,694	494	450	22,588	663,601
1975	44,018	390,717	56,129	92,222	43,688	26,982	19,533	376	0	0	23,013	696,678
1976	81,727	327,653	47,317	157,327	23,759	65,185	24,146	645	652	0	23,526	751,937
1977	51,062	324,548	35,200	117,548	36,500	43,492	18,930	0	0	0	24,100	653,380
1978	69,757	446,095	60,638	166,539	40,666	33,997	35,575	1,290	956	450	24,703	880,666
1979	78,958	453,912	67,167	147,764	42,908	49,407	12,588	3,600	2,405	1,518	25,300	885,028
1980	60,021	369,943	32,328	120,822	23,908	33,397	26,860	1,021	1,406	1,068	25,847	696,621
1981	40,037	304,556	55,464	139,754	29,181	41,313	31,977	2,365	989	900	26,295	672,831
1982	48,194	249,786	42,220	88,416	24,723	39,701	24,075	5,563	652	3,147	26,624	553,100
1983	45,007	517,058	25,370	161,008	36,247	65,938	27,154	376	3,688	6,071	26,832	946,749
1984	37,921	589,281	25,754	91,884	27,630	23,201	20,082	1,774	7,087	2,808	26,947	854,269
1985	36,788	301,089	16,954	77,884	26,888	34,336	31,783	1,021	494	0	27,027	554,214
1986	36,657	365,496	33,818	101,382	33,916	20,813	26,483	376	798	4,752	12,220	638,721
1987	55,759	479,870	22,662	83,307	32,906	24,463	36,418	0	0	0	12,863	748,248
1988	44,631	446,362	50,807	72,919	21,419	18,088	29,024	4,141	494	2,892	28,298	720,175
1989	54,676	445,637	32,509	100,368	20,880	34,422	30,472	1,666	2,101	5,031	15,436	744,198
1990	31,763	407,934	36,522	140,679	31,118	30,184	30,184	6,019	494	450	20,581	745,490
1991	40,059	420,323	80,036	135,709	44,311	46,181	37,994	2,162	3,204	1,218	23,153	834,350
1992	32,271	428,798	67,581	258,475	37,561	133,039	41,498	1,296	3,296	7,453	19,274	1,030,544
1993	364,254	79,610	43,090	182,226	71,081	182,226	40,321	358	2,475	0	34,694	869,405
1994	38,319	401,486	43,090	133,361	42,057	38,470	40,321	337	4,680	12,039	11,565	765,723
1995	37,931	459,946	68,323	112,532	41,869	53,455	41,613	559	3,582	5,866	6,884	832,568
1996	49,745	467,314	103,462	107,638	52,985	34,866	29,507	0	1,841	1,189	31,396	879,963
1997	40,177	619,714	91,329	140,292	91,615	69,324	53,372	2,249	1,980	1,297	12,465	1,123,815
1998	46,697	472,410	73,919	178,087	78,803	45,860	35,415	1,480	1,124	633	11,452	945,880
1999	601,213	69,529	69,529	183,075	88,391	71,999	41,731	1,122	2,316	2,316	10,857	1,111,666
2000	39,704	382,714	70,930	161,365	112,810	71,044	38,195	3,235	3,235	389	28,162	910,287
2001	54,410	481,770	59,180	144,641	73,669	56,112	36,874	633	5,219	613	12,475	925,596
2002	38,290	485,954	47,226	190,051	51,187	34,696	34,696	542	2,396	1,912	20,786	948,388
2003	46,615	558,124	82,872	195,622	99,374	56,137	38,769	656	2,536	1,565	7,219	1,089,491
2004	43,949	532,066	70,637	180,367	55,215	107,340	50,455	647	560	1,014	11,077	1,053,228
2005	51,726	619,523	78,660	180,367	91,789	76,001	54,903	3,032	260	1,007	8,961	1,137,042
2006	46,319	606,111	107,600	163,776	101,426	60,852	49,737	1,743	1,594	0	5,238	1,144,396
2007	60,963	547,177	98,154	201,485	107,560	69,009	59,218	561	1,967	849	4,600	1,151,544
2008	56,816	561,513	60,121	165,261	116,041	49,162	41,672	940	1,419	3,296	14,770	1,071,011
2009	58,936	503,058	69,632	217,812	85,891	123,622	38,713	536	2,287	6,634	6,634	1,108,861
2010	53,456	797,480	76,700	204,126	172,057	63,387	34,023	1,596	5,662	612	6,289	1,415,389
2011	55,168	591,973	99,844	219,276	150,098	91,367	35,525	1,028	12,677	10,699	4,277	1,271,931
2012	48,489	745,485	141,370	199,128	182,482	49,650	30,125	0	4,005	1,504	7,166	1,409,406
2013	38,145	537,395	76,971	169,266	209,058	81,515	62,426	0	6,381	10,857	0	1,192,014
2014	43,699	617,994	126,038	229,216	229,216	58,936	43,988	0	14,189	12,567	26,949	1,311,841
2015	42,528	700,610	123,763	215,142	296,113	110,145	69,954	0	4,218	24,277	24,277	1,387,902
2016	44,086	689,446	98,543	133,923	226,435	55,225	85,413	0	2,302	3,005	15,194	1,353,573

Averages:	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term	Long Term
44,537	427,928	57,936	120,971	60,109	46,913	1,890	23,281	1,167	1,949	1,890	18,203	810,885
43,371	669,350	116,121	163,510	250,588	74,102	6,903	66,118	0	6,903	5,568	22,140	1,417,772
-1.0	62.7	72.1	10.9	29.46	18.1	201.2	201.2	-100.0	18.5	60.6	-31.4	68.8
1.6	3.0	-15.1	-9.6	-9.6	-25.5	29.2	29.2	#DIV/0!	-66.6	-46.0	-31.4	-4.5
3.7	-1.6	-20.4	-37.8	-23.5	-49.9	22.1	22.1	#DIV/0!	-45.4	165.4	-37.4	-14.8

Ruddy Duck breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N, AB, BC, NT (13-19, 20, 75-77)	S, AB (26-29)	N, SK (21-23)	S, SK (30-35)	N, MB (24-25)	S, MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	6	34,732	76,180	0	128,697	0	28,904	8,558	11,163	1,639	0	289,859
1956	6	29,593	78,270	0	231,810	0	29,602	8,282	11,272	1,831	0	368,665
1957	6	6,904	43,444	0	126,127	0	24,925	8,012	11,544	320	0	221,282
1958	0	18,693	51,584	0	66,230	0	24,560	7,739	1,579	327	0	170,712
1959	0	100,268	79,151	0	256,132	4,495	76,840	7,510	23,823	0	0	548,219
1960	0	23,497	97,861	0	116,771	2,075	60,407	7,372	44,286	0	0	362,963
1961	6	67,452	49,800	0	71,428	2,420	92,851	7,263	23,344	10,693	0	343,124
1962	0	1,225	21,895	0	59,550	5,532	49,507	7,180	27,469	11,836	24,958	217,951
1963	0	22,237	37,418	9,906	38,531	7,953	98,281	7,953	18,194	5,608	9,983	245,249
1964	7	7,830	92,953	8	34,264	6,224	68,705	7,082	5,401	1,402	0	223,945
1965	7	6,408	93,379	7,925	42,614	10,719	65,530	9,047	5,047	1,869	0	237,469
1966	8	17,512	83,012	4,953	77,068	6,570	95,751	2,715	33,409	5,608	0	326,606
1967	8	15,342	111,877	10,524	58,726	9,480	74,859	1,666	41,836	0	0	324,318
1968	9	7,721	96,722	24,416	83,345	55,886	87,996	1,464	15,527	6,963	3,529	385,528
1969	9	36,462	47,903	1,345	54,967	19,363	38,626	22,292	45,151	8,914	0	273,081
1970	10	10,367	66,904	0	42,062	14,888	64,692	613	86,036	39,331	3,451	328,355
1971	11	12,541	56,720	0	60,181	6,916	52,880	1,321	46,990	27,698	1,835	267,094
1972	13	45,551	101,955	3,915	67,151	25,635	86,444	5,656	55,134	30,115	0	343,968
1973	14	18,841	38,224	0	115,961	6,874	43,867	3,111	40,651	18,615	3,451	289,609
1974	15	9,557	93,341	0	98,476	7,261	55,554	1,816	166,970	23,151	1,779	457,920
1975	16	21,350	184,681	0	80,323	2,697	49,940	2,595	123,136	209,732	1,756	678,425
1976	17	1,566	33,571	4,337	58,362	346	45,305	1,862	22,838	6,228	1,730	176,162
1977	18	42,471	101,483	723	101,834	5,532	34,650	1,156	21,129	22,838	1,702	316,512
1978	19	8,267	75,549	2,169	49,972	7,950	51,087	14,144	123,267	28,655	1,671	362,750
1979	20	10,692	42,045	1,446	91,103	3,607	22,288	12,354	97,986	15,995	1,637	299,172
1980	20	18,959	33,938	1,374	57,940	26,232	80,539	660	111,362	21,649	1,600	354,274
1981	21	53,077	14,943	14,943	49,705	91,792	37,418	17,094	237,580	67,045	1,559	633,200
1982	22	25,888	116,002	1,486	181,908	15,560	146,203	17,556	357,108	84,425	1,514	947,872
1983	23	171,613	72,906	17,130	108,529	5,532	55,049	9,082	184,756	88,919	1,464	715,003
1984	1,451	58,792	62,324	0	78,878	7,261	31,634	11,794	251,823	48,664	1,408	554,021
1985	0	28,715	43,776	723	128,272	5,187	39,344	7,897	111,932	23,149	1,350	390,445
1986	0	112,732	32,902	5,060	120,190	6,548	68,533	4,623	170,083	69,389	0	585,000
1987	0	30,329	35,823	0	105,566	1,037	79,997	613	113,850	28,544	0	400,819
1988	119	17,764	77,895	61,243	135,229	57,384	57,384	25,099	12,639	3,173	0	268,845
1989	836	109,224	65,604	5,697	80,122	6,570	51,315	5,779	55,270	44,007	0	424,424
1990	653	78,963	129,916	24,786	56,232	7,823	68,657	9,196	62,516	34,139	0	473,077
1991	0	44,059	193,766	6,747	58,480	15,739	68,697	37,980	14,031	10,172	0	449,671
1992	0	106,349	85,226	7,215	116,146	2,422	58,390	9,239	29,473	3,899	0	418,358
1993	0	120,285	57,054	0	78,071	51,796	22,759	1,817	33,928	21,492	0	387,202
1994	0	12,559	65,536	0	102,211	673	14,427	4,718	105,606	36,694	0	342,424
1995	0	42,748	128,458	4,083	158,131	16,432	35,074	6,989	79,621	43,233	0	510,769
1996	837	67,942	302,195	2,808	166,676	38,710	38,710	1,194	72,793	14,660	10,438	680,273
1997	0	31,486	87,116	9,711	124,098	7,736	31,402	8,896	180,228	18,691	0	498,365
1998	0	210,874	123,554	0	82,294	2,018	13,732	11,788	143,325	24,914	0	612,498
1999	0	97,843	73,405	3,824	170,286	12,874	43,155	8,318	217,326	82,102	4,616	713,746
2000	0	82,532	74,308	0	188,207	3,027	45,751	2,350	212,282	65,893	0	654,351
2001	1,023	39,850	51,612	3,149	134,255	9,442	58,648	24,895	185,007	58,835	0	566,715
2002	0	126,847	86,481	3,146	69,957	16,763	108,487	14,869	192,550	75,624	0	694,725
2003	0	155,559	54,857	15,655	358,216	11,590	40,507	17,052	81,534	28,016	0	762,987
2004	837	99,025	93,461	0	229,930	27,042	143,271	10,212	176,659	1,906	0	782,343
2005	0	71,806	42,708	12,050	136,936	867	41,344	342	138,077	9,486	3,454	457,078
2006	0	57,817	58,295	6,899	170,637	2,873	40,722	4,816	139,744	39,259	0	521,061
2007	0	39,168	49,191	3,414	516,439	4,777	46,597	2,437	133,939	40,244	0	836,205
2008	0	44,416	45,805	2,200	136,541	672	45,934	2,852	173,746	123,577	0	575,743
2009	0	60,621	64,035	10,620	135,425	2,655	12,436	37,373	196,269	62,601	0	582,036
2010	0	112,910	48,814	733	101,463	16,930	16,930	10,964	186,601	51,162	0	530,922
2011	842	38,563	36,023	4,209	357,736	1,949	26,142	10,369	101,128	27,559	0	604,520
2012	0	38,106	31,868	8,480	500,576	968	31,660	5,124	111,858	50,999	0	569,642
2013	1,007	59,153	84,845	0	200,030	0	32,565	0	78,463	139,273	0	897,989
2014	0	36,517	69,154	4,369	435,833	4,369	40,568	734	187,273	43,929	0	823,032
2015	0	93,733	60,045	26,012	435,772	46,238	24,706	735	122,697	34,252	0	844,190
2016	0	184,313	113,351	0	427,269	1,415	77,249	4,520	173,601	87,227	0	1,089,145

Averages:  
Long Term 128 54,168 76,954 4,919 143,579 9,288 53,064 8,051 100,727 35,060 1,369 487,306  
3-yr 0 104,854 80,850 10,223 432,958 17,341 47,507 1,996 161,257 55,136 912,122  
% Change from:  
Long Term -100.0 254.2 48.4 -100.0 207.5 -85.0 46.7 -44.3 74.6 155.0 -100.0 123.8  
3-yr #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!  
2015 96.6 88.8 40.2 88.8 -100.0 -91.8 62.6 212.7 515.2 41.6 154.7 26.6



Goldeneye species breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT	N. AB, BC, NT	S. AB	N. SK	S. SK	N. MB	S. MB	MT	ND	SD	WI, ON	Total
	(1-12)	(13-19, 20, 75-77)	(26-29)	(21-23)	(30-35)	(24-26)	(36-40)	(41-42)	(43, 45-47)	(44, 48-49)	(50)	
	27,536	418,422	15,996	44,795	11,811	17,952	12,357	483	0	0	13,477	562,778
1955												
1956	28,917	289,608	21,071	1,205	17,681	2,201	17,452	484	0	0	39,084	414,815
1957	30,149	140,340	9,080	4,211	17,681	4,734	28,222	529	0	0	41,417	228,022
1958	39,019	472,588	9,496	149,582	13,271	258,169	41,321	565	0	0	227,069	798,183
1959	46,539	859,109	8,734	277,725	13,271	182,409	42,165	599	0	0	42,758	1,732,502
1960	45,906	134,874	11,372	49,139	10,598	77,203	13,600	630	0	0	71,064	530,657
1961	41,243	375,515	11,241	71,491	7,783	50,792	13,481	657	0	0	190,024	792,813
1962	69,789	360,992	32,242	38,799	33,581	62,888	6,288	679	32	0	123,965	302,809
1963	60,891	360,992	2,440	33,581	3,892	33,581	6,288	679	0	0	77,186	319,937
1964	23,720	160,027	5,860	31,069	2,584	12,422	6,373	696	0	0	5,009	343,159
1965	44,441	204,012	1,457	35,684	8,802	32,317	11,391	696	36	0	70,169	247,907
1966	45,769	39,876	4,880	43,631	10,501	28,430	2,102	1,309	1,239	0	53,399	288,833
1967	122,644	64,985	0	9,290	14,327	5,812	18,376	0	0	0	347,335	584,864
1968	130,244	30,331	5,639	32,279	22,506	9,935	6,595	0	0	0	102,724	411,523
1969	94,705	36,774	8,908	35,713	8,731	77,002	7,029	637	0	0	64,988	420,117
1970	63,266	35,666	3,622	146,310	15,492	76,801	13,972	0	0	0	100,974	402,894
1971	81,671	38,921	20,413	69,644	44,108	32,900	32,900	0	0	1,233	153,389	458,025
1972	92,499	75,381	15,609	50,109	4,575	49,803	5,503	8,821	1,103	0	181,339	527,719
1973	93,251	39,309	19,651	91,437	20,632	78,818	917	2,365	0	0	102,176	414,745
1974	84,061	58,397	17,678	90,693	13,923	36,786	0	0	0	0	102,519	393,424
1975	96,603	37,700	25,508	51,609	16,367	39,261	33,856	0	0	0	102,832	589,326
1976	87,770	69,487	28,286	138,775	15,943	115,674	30,559	0	0	0	103,114	564,807
1977	93,640	91,783	3,887	67,332	64,829	125,287	4,299	637	0	0	103,359	503,146
1978	68,520	119,234	33,240	60,411	14,039	60,885	42,505	0	953	0	103,564	542,187
1979	103,980	184,326	7,557	42,661	35,657	44,846	18,506	1,091	0	0	103,722	556,230
1980	113,376	196,535	29,566	21,735	29,381	47,687	12,636	1,592	0	0	103,828	516,811
1981	62,323	108,170	6,840	166,766	20,143	221,927	29,015	0	0	1,233	103,877	443,997
1982	76,033	83,402	8,602	74,750	20,752	48,090	29,058	0	0	1,233	103,863	515,761
1983	73,646	103,921	6,802	106,418	16,223	77,778	22,175	0	2,509	2,426	103,782	712,473
1984	85,552	390,565	1,727	83,896	15,204	28,343	656	637	1,350	761	103,633	476,447
1985	97,031	97,397	16,178	46,978	27,120	60,467	23,608	1,274	0	0	103,633	476,447
1986	67,808	166,772	29,908	44,782	19,943	194,527	20,324	2,547	0	761	626,965	79,663
1987	71,813	46,330	24,169	111,518	22,678	38,392	29,565	0	1,029	0	128,929	474,423
1988	62,118	105,130	31,635	35,002	4,289	15,475	23,615	0	0	0	111,109	373,535
1989	63,108	105,130	16,087	14,164	20,711	31,783	16,070	1,091	0	0	136,266	403,870
1990	47,256	91,418	19,303	30,873	5,714	32,967	33,919	637	0	0	77,567	329,654
1991	51,750	79,173	10,588	82,628	17,991	23,455	13,345	670	0	3,648	36,687	319,935
1992	34,169	69,295	10,077	197,437	44,362	142,178	25,160	0	0	0	38,831	561,508
1993	69,266	90,379	9,506	124,335	34,685	74,068	4,718	1,515	0	0	183,825	592,296
1994	59,441	152,575	15,063	98,755	34,758	19,998	322	0	676	766	104,003	486,347
1995	73,979	102,050	31,397	181,943	41,859	190,001	5,221	441	0	760	651,105	1,209,365
1996	77,925	99,271	6,081	136,420	53,002	150,359	42,518	0	0	869	702,921	1,209,365
1997	67,189	102,711	6,934	176,747	37,413	173,423	28,105	878	0	0	171,150	752,838
1998	77,213	102,711	44,718	142,251	66,664	143,543	37,420	749	0	0	108,611	723,879
1999	69,244	54,072	5,759	129,082	29,493	139,063	27,438	1,401	0	0	226,283	681,845
2000	55,738	91,246	26,529	85,140	40,509	161,007	38,645	478	1,255	0	393,684	894,230
2001	95,654	88,665	22,588	185,190	10,151	284,335	29,283	0	0	0	73,197	789,063
2002	80,585	58,751	6,573	231,441	21,405	156,851	18,046	1,637	0	0	129,909	705,198
2003	75,732	197,144	34,241	148,915	64,759	144,523	55,932	0	0	0	42,902	764,148
2004	92,544	66,420	26,971	97,865	16,010	172,847	20,433	512	0	0	74,377	567,279
2005	61,139	22,147	10,566	132,890	88,472	127,213	23,144	0	0	0	24,659	490,250
2006	88,084	231,163	20,371	211,143	60,877	169,145	13,907	0	0	0	46,405	880,745
2007	38,258	191,734	28,213	129,175	60,877	285,362	32,299	0	744	0	33,679	800,339
2008	52,622	117,663	37,636	155,400	66,185	146,839	27,858	558	0	0	34,604	640,093
2009	32,202	138,391	13,679	225,563	28,559	244,280	38,642	947	727	0	64,753	687,744
2010	40,990	231,031	58,030	67,869	60,547	182,091	11,154	0	0	0	41,535	693,268
2011	49,702	465,088	36,574	159,138	33,472	62,894	12,169	0	0	0	26,947	845,983
2012	41,856	346,498	25,697	163,672	59,332	52,001	26,181	0	685	0	38,620	754,542
2013	42,354	385,027	42,003	74,451	44,422	125,994	42,429	0	0	0	0	756,680
2014	35,176	216,578	37,832	28,993	28,415	110,579	19,310	8,782	923	0	49,345	535,933
2015	33,530	346,993	31,357	16,933	51,216	56,422	24,306	8,490	0	0	61,796	630,043
2016	20,533	409,198	25,619	20,631	59,382	15,187	47,885	910	935	0	44,010	644,290
Averages:												
Long Term	65,837	164,434	18,327	93,664	28,495	94,492	21,639	909	225	228	104,130	592,381
3-yr	29,746	323,923	31,603	22,186	46,338	60,730	30,500	6,061	620	0	51,717	603,422
% Change from:												
Long Term	-69.2	155.1	40.7	-78.3	112.2	-84.1	125.8	0.2	337.6	-100.0	-56.1	8.9
3-yr	-31.0	-18.9	-18.9	-7.0	28.1	-75.0	57.0	-85.0	51.0	#DIV/0!	-14.9	6.8
2015	-38.8	18.3	-18.3	21.8	15.9	-73.1	97.0	-89.3	#DIV/0!	#DIV/0!	-28.8	2.3

Scoter species breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N, AB, BC, NT (13-19, 20, 75-77)	S, AB (26-29)	N, SK (21-23)	S, SK (30-35)	N, MB (24-25)	S, MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	438,201	1,530,434	0	9,626	5,415	5,791	128	6	0	0	15,768	2,005,369
1956	433,308	1,325,314	27,962	2,420	13,445	11,015	931	7	0	0	12,428	1,826,630
1957	362,971	1,330,613	21,612	68,289	812	11,015	933	7	0	0	1,368	1,790,147
1958	480,526	1,207,501	20,604	25,466	9,951	12,833	10,284	8	0	0	0	1,755,623
1959	305,515	1,795,516	26,949	30,758	4,880	71,941	7,865	8	0	0	0	2,243,432
1960	481,627	1,712,804	18,895	483	5,518	5,050	0	8	0	0	6,126	2,230,512
1961	528,821	1,358,552	25,604	2,609	2,609	37,330	1,400	0	0	0	2,027	1,963,593
1962	449,299	807,774	0	15,072	0	19,359	0	8	0	0	0	1,316,695
1963	322,187	790,990	16,379	6,795	3,823	7,070	1,400	8	0	0	2,815	1,151,467
1964	361,711	1,338,917	17,097	34,052	5,914	7,182	980	8	0	0	0	1,765,412
1965	333,239	968,612	16,870	1,722	8,372	16,622	980	0	0	0	0	1,346,417
1966	335,962	623,100	19,960	15,484	2,627	28,227	1,593	0	0	0	2,815	1,029,767
1967	333,568	725,391	23,630	19,503	1,985	15,127	1,545	143	0	0	0	1,120,892
1968	415,881	624,792	17,498	34,477	6,248	55,588	128	0	0	0	88,377	1,222,989
1969	340,713	855,531	21,599	29,217	3,678	98,821	128	0	0	0	8,410	1,357,989
1970	319,134	1,195,029	23,222	20,283	4,96	17,298	265	0	0	0	10,512	1,589,239
1971	308,731	648,926	12,078	30,113	5,165	22,279	0	0	0	0	16,900	1,044,192
1972	385,578	1,102,663	13,205	20,361	2,482	73,616	0	0	0	0	26,433	1,624,358
1973	266,941	915,708	15,974	28,666	4,737	35,851	1,018	0	0	0	11,774	1,280,670
1974	382,056	1,108,660	9,023	22,756	2,271	30,715	1,158	0	0	0	17,389	1,573,027
1975	295,500	784,369	7,343	17,944	7,197	45,197	1,628	0	0	0	17,233	1,177,011
1976	344,410	742,598	24,107	36,446	1,117	46,178	2,035	0	0	0	17,046	1,213,936
1977	392,522	946,349	13,479	40,842	4,275	51,896	611	0	0	0	16,867	1,466,841
1978	420,626	1,223,629	25,988	58,655	2,626	32,997	751	0	0	0	16,701	1,781,972
1979	434,775	1,420,621	36,231	46,311	12,592	41,080	477	0	0	0	16,527	2,008,614
1980	496,047	1,107,240	20,381	34,033	1,737	75,713	0	0	0	0	16,303	1,751,454
1981	394,362	1,030,509	7,656	25,897	4,96	61,497	0	0	0	0	15,985	1,536,402
1982	466,577	858,206	11,823	38,125	3,295	81,871	698	0	0	0	15,543	1,476,138
1983	605,838	1,097,053	6,355	80,813	2,564	121,760	1,425	242	0	0	14,957	1,931,006
1984	412,051	1,327,882	17,333	17,245	3,047	48,308	700	0	0	0	14,218	1,840,084
1985	324,514	1,056,130	18,627	25,881	2,644	24,811	0	0	0	0	13,321	1,465,629
1986	436,528	915,146	17,204	12,036	1,737	9,902	0	0	0	0	2,943	1,395,496
1987	359,896	1,202,454	1,078	27,318	2,261	26,539	0	0	0	0	1,682	1,621,028
1988	422,964	759,995	7,225	18,295	10,217	10,217	0	0	0	0	18,922	1,253,796
1989	355,581	1,138,005	5,607	15,261	2,319	4,734	0	0	0	0	1,682	1,523,189
1990	356,009	444,024	9,939	4,336	10,131	0	0	0	0	0	2,523	840,320
1991	315,044	659,997	15,467	26,545	5,166	19,240	0	0	0	0	0	1,041,948
1992	469,796	559,866	4,376	11,530	1,759	11,211	642	0	489	0	2,529	1,062,314
1993	321,549	637,205	772	11,064	925	26,066	0	0	0	1,605	8,861	1,006,442
1994	324,312	382,646	5,198	22,323	3,574	25,705	0	0	0	0	11,445	775,204
1995	309,914	419,045	10,888	22,548	308	41,461	0	0	0	0	0	804,174
1996	460,922	360,424	267	19,532	925	22,501	0	332	0	0	82,204	947,106
1997	235,720	690,466	1,310	76,225	1,488	46,577	0	497	0	0	95,625	1,146,908
1998	348,350	287,118	0	22,172	168	36,255	0	0	0	0	0	694,065
1999	345,851	528,139	262	33,640	0	34,786	788	0	0	0	13,334	956,799
2000	327,054	557,737	0	31,436	0	24,546	0	0	0	0	0	940,773
2001	242,410	547,291	1,833	8,605	308	20,402	0	0	0	0	0	820,849
2002	311,273	506,425	524	28,494	0	28,041	429	0	0	0	23,184	898,370
2003	368,202	696,730	0	27,614	308	30,764	0	0	0	0	3,794	1,127,909
2004	367,401	656,052	786	41,303	0	83,572	1,341	497	0	0	36,252	1,186,707
2005	350,165	376,328	262	28,506	0	43,671	0	0	0	0	0	798,932
2006	400,912	418,629	4,271	36,542	0	20,252	930	0	0	0	2,112	883,648
2007	401,525	519,313	0	18,045	305	32,040	0	0	0	0	0	971,229
2008	352,664	613,435	0	5,719	0	32,534	0	0	0	0	26,831	931,182
2009	366,794	672,022	521	72,315	0	116,086	1,338	0	0	0	9,436	1,228,512
2010	294,277	812,136	7,563	31,965	193	24,773	1,080	0	0	0	0	1,171,987
2011	317,190	940,789	525	10,193	612	102,962	0	0	0	0	6,390	1,378,661
2012	286,798	740,324	723	8,563	494	20,458	1,080	0	0	0	4,667	1,062,046
2013	251,372	1,004,255	2,877	18,800	0	36,872	1,080	0	0	0	0	1,315,256
2014	235,163	656,446	3,140	12,366	1,129	19,670	0	0	0	0	15,068	942,983
2015	259,472	833,005	3,672	11,833	188	46,149	0	0	0	0	3,408	1,157,727
2016	350,176	960,774	4,494	16,849	0	22,066	135	0	0	0	865	1,355,359
Averages:												
Long Term	366,262	870,278	10,846	25,613	2,624	35,874	746	29	8	26	12,123	1,324,429
3-yr	281,604	816,742	3,769	13,683	439	29,295	45	0	0	0	6,447	1,152,023
% Change from:												
Long Term	-4.5	10.6	-59.0	-34.6	-100.0	-38.9	-82.1	-100.0	-100.0	-100.0	-93.0	2.4
3-yr	24.4	17.6	19.2	23.1	-100.0	200.0	-24.7	#DIV/0!	#DIV/0!	#DIV/0!	-86.6	17.7
2015	35.0	15.3	22.4	42.4	-52.2	-52.2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-74.6	-17.1

Long-tailed Duck breeding population index corrected for visibility bias by survey area (strata 1–18, 20–50 and 75–77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	N, AB, BC, NT (13-19)	N, AB, BC, NT (20, 75-77)	S, AB (26-29)	N, SK (21-23)	S, SK (30-35)	N, MB (24-25)	S, MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	101,312	461,035		0	0	0	0	0	0	0	0	0	562,347
1956	104,466	367,505		0	0	0	0	0	0	0	0	0	461,971
1957	118,737	418,774		0	0	0	0	0	0	0	0	0	537,511
1958	113,039	451,587		0	0	0	0	0	0	0	0	0	564,626
1959	103,125	607,727		0	0	0	0	0	0	0	0	0	710,852
1960	117,802	367,340		0	0	0	0	0	0	0	0	0	485,142
1961	96,059	432,379		0	0	0	0	0	0	0	0	0	528,438
1962	118,039	278,661		0	0	0	0	0	0	0	0	0	396,700
1963	168,910	163,410		0	0	0	0	0	0	0	0	0	332,320
1964	119,997	522,247		0	16	0	0	0	0	0	0	0	642,260
1965	113,084	320,808		0	0	0	0	0	0	0	0	0	433,892
1966	152,978	460,229		0	0	0	0	0	0	0	0	0	613,207
1967	155,157	402,349		0	0	0	0	0	0	0	0	0	557,506
1968	214,327	165,141		0	0	0	0	118	0	0	0	4,737	384,323
1969	126,915	460,284		0	0	0	0	0	0	0	0	0	587,199
1970	144,278	283,336		0	0	0	0	0	0	0	0	0	427,614
1971	164,230	224,620		0	0	0	0	0	0	0	0	0	389,155
1972	184,766	105,708		0	0	0	0	0	0	0	0	0	389,155
1973	121,432	181,405		0	0	0	0	0	0	0	0	1,193	291,666
1974	215,296	218,798		0	0	0	0	0	0	0	0	0	302,837
1975	158,556	196,158		0	0	0	0	0	0	0	0	0	434,406
1976	145,431	176,088		0	0	0	0	0	0	0	0	0	355,028
1977	290,940	193,657		0	1,033	0	734	0	0	0	0	0	322,599
1978	263,007	180,090		0	0	0	0	0	0	0	0	0	485,949
1979	199,235	626,439		0	0	0	0	0	0	0	0	0	825,996
1980	336,865	321,968		0	0	0	0	0	0	0	0	0	659,156
1981	173,600	171,786		649	0	0	0	0	0	0	0	0	345,708
1982	177,779	193,729		0	0	0	0	0	0	0	0	0	372,481
1983	224,262	112,970		0	0	0	0	0	0	0	0	0	337,555
1984	135,667	601,278		0	0	0	0	0	0	0	0	0	737,267
1985	149,973	287,747		0	0	0	0	0	0	0	0	0	416,040
1986	189,696	129,858		0	0	0	0	0	0	0	0	0	319,554
1987	117,410	276,716		0	0	0	0	0	0	0	0	1,158	395,284
1988	108,604	233,704		0	0	0	0	0	0	0	0	0	342,308
1989	94,971	279,324		0	0	0	0	0	0	0	0	0	374,295
1990	114,325	43,601		0	0	0	0	0	0	0	0	0	157,926
1991	107,857	76,253		404	0	0	0	0	0	0	0	0	184,514
1992	86,744	46,989		0	0	0	0	0	0	0	0	0	133,733
1993	107,048	64,630		0	0	286	0	503	0	0	0	1,122	173,589
1994	98,776	79,121		0	0	597	0	1,251	0	0	0	0	179,744
1995	110,800	93,680		0	0	0	0	535	0	0	0	0	205,025
1996	88,004	47,062		0	0	0	0	0	0	0	0	0	148,471
1997	68,685	107,678		0	0	0	0	0	0	0	0	0	176,364
1998	91,042	50,520		0	0	0	901	0	0	0	0	0	142,463
1999	72,237	111,611		0	0	0	0	0	538	0	0	0	184,386
2000	105,235	111,611		0	0	0	0	0	0	0	0	0	153,413
2001	99,807	57,322		0	0	0	0	0	0	0	0	0	157,129
2002	84,147	104,273		0	0	0	0	0	0	0	0	0	188,420
2003	83,212	83,230		0	0	0	0	0	0	0	0	0	166,442
2004	83,502	116,282		0	0	0	0	0	0	0	0	0	199,784
2005	66,239	69,438		0	0	0	0	0	0	0	0	0	135,737
2006	103,175	59,339		0	0	0	0	0	0	0	0	1,159	163,674
2007	129,549	28,652		0	0	0	0	0	0	0	0	0	158,201
2008	102,784	46,205		0	0	0	0	0	0	0	0	0	148,989
2009	67,011	62,704		0	1,299	0	450	0	0	0	0	0	131,465
2010	82,209	87,136		0	0	0	0	0	0	0	0	0	169,345
2011	81,318	146,195		0	0	0	0	0	0	0	0	0	227,514
2012	79,397	127,565		0	0	0	0	0	0	0	0	0	206,962
2013	67,714	162,013		0	0	0	0	0	0	0	0	0	229,727
2014	43,449	76,624		0	0	0	0	0	0	0	0	0	120,074
2015	36,220	163,525		0	0	0	0	0	0	0	0	0	199,745
2016	54,033	150,597		0	0	0	0	0	0	0	0	2,967	207,598
Averages:													
Long Term	126,363	212,182		17	38	14	34	39	9	0	0	482	339,178
3-yr	44,567	130,249		0	0	0	0	0	0	0	0	989	175,806
% Change from:													
Long Term	-57.6	-29.4		-100.0	-100.0	-100.0	-100.0	-100.0	-100.0	#DIV/0!	#DIV/0!	572.5	-39.2
3-yr	21.2	15.6		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	200.0	18.1
2015	49.2	-7.9		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	3.9

Merganser species breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.

Year	AK, YT (1-12)	13-19 (20-75)	20-75-77 (75-77)	N. AB, BC, NT (26-29)	S. AB (26-29)	N. SK (21-23)	S. SK (30-35)	N. MB (24-25)	S. MB (36-40)	MT (41-42)	ND (43, 45-47)	SD (44, 48-49)	WI, ON (50)	Total
1955	1,233	151,416		0	0	402,312	455	71,891	196	789	0	0	94,011	422,304
1956	1,226	99,215		0	0	40,606	0	13,420	0	853	0	0	71,613	226,934
1957	418	87,253		0	0	27,197	0	9,195	0	911	0	0	68,046	193,020
1958	1,363	176,943		5,940	0	56,600	0	33,711	193	963	0	0	165,788	441,521
1959	1,339	194,348		3,960	0	27,145	0	11,361	0	1,006	0	0	53,467	332,089
1960	1,115	175,828		1,188	0	22,093	0	56,942	945	1,042	0	0	160,728	431,242
1961	456	148,953		396	0	30,375	0	30,375	376	1,072	0	0	85,324	281,354
1962	7,721	96,812		0	0	29,187	0	75,296	0	1,100	0	0	108,886	319,002
1963	4,706	105,154		0	0	80,118	0	80,118	0	1,130	0	0	109,461	364,370
1964	697	99,210		1,584	0	34,811	0	34,811	9,691	1,162	0	0	89,056	287,031
1965	2,054	109,084		9,268	0	48,487	0	58,203	8,957	1,447	0	0	92,807	344,012
1966	2,132	78,950		7,746	0	46,274	0	40,315	4,470	233	1,331	0	144,571	326,022
1967	7,715	58,742		1,814	0	94,163	0	72,086	0	7,688	0	0	157,957	400,185
1968	3,009	19,815		1,100	0	999	0	59,421	188	708	0	0	118,893	272,806
1969	9,599	30,213		1,691	0	105,611	0	62,123	759	2,863	0	0	171,414	377,076
1970	2,368	48,584		9,443	0	101,291	0	51,499	2,768	0	0	0	115,510	340,272
1971	1,786	17,977		4,056	0	68,353	0	39,057	595	0	0	0	124,964	258,049
1972	6,056	30,633		4,187	0	91,144	0	38,742	5,599	708	0	0	147,270	325,771
1973	3,755	32,672		2,101	0	74,933	0	56,336	7,470	827	0	0	104,403	286,191
1974	3,955	21,125		0	0	87,759	0	51,526	16,818	3,541	0	0	130,382	315,677
1975	5,155	33,624		16,428	0	107,454	0	176,326	15,145	1,416	0	0	132,314	498,365
1976	2,199	85,644		0	0	73,943	0	48,100	4,764	827	0	0	134,304	355,104
1977	7,852	143,165		16,088	0	110,717	0	76,611	8,950	2,656	0	0	136,342	494,457
1978	11,504	168,550		4,800	0	166,449	0	145,932	9,624	1,948	0	0	138,421	665,003
1979	5,535	124,388		5,678	0	76,471	0	91,483	27,356	4,073	0	0	138,421	491,048
1980	5,230	138,964		17,961	0	116,416	0	174,909	45,568	0	0	2,546	142,680	649,377
1981	6,721	53,313		13,594	0	88,184	0	170,268	47,188	8,502	0	0	144,855	557,177
1982	8,662	60,497		15,473	0	102,891	0	48,917	60,491	1,829	0	0	147,060	407,775
1983	7,228	78,522		15,322	0	146,681	0	165,986	60,491	1,416	0	0	149,300	641,437
1984	20,221	116,503		4,906	0	177,722	0	134,694	21,659	1,416	6,252	5,714	151,570	619,018
1985	25,064	75,508		8,875	0	155,887	1,855	94,180	26,003	708	943	0	153,850	542,473
1986	24,710	34,330		8,645	0	209,880	0	52,371	11,962	2,775	0	0	101,071	445,744
1987	21,569	69,242		10,069	0	164,970	6,872	131,649	14,228	1,948	543	0	126,987	548,077
1988	24,094	62,811		12,560	0	157,386	5,817	83,487	11,487	1,416	0	0	156,605	526,758
1989	8,420	74,537		8,593	0	100,018	3,650	82,100	19,204	2,124	716	0	138,094	440,937
1990	10,141	91,708		4,982	0	126,105	7,945	60,573	34,190	0	4,319	0	105,514	447,878
1991	14,142	44,707		15,245	0	186,213	6,458	143,423	11,092	4,234	3,240	0	111,067	543,841
1992	19,222	125,943		8,721	0	129,633	3,820	61,847	16,056	1,265	0	0	180,912	547,418
1993	23,047	71,091		6,295	0	117,061	3,548	83,699	10,407	985	293	0	209,780	528,314
1994	21,038	109,992		6,943	0	155,000	2,282	188,701	6,199	770	506	0	305,861	801,020
1995	16,648	70,811		10,436	0	160,749	7,544	106,213	4,408	2,576	1,435	4,948	224,582	610,362
1996	39,464	31,939		5,931	0	111,452	4,005	64,121	26,171	3,067	321	0	510,790	797,726
1997	25,159	49,740		9,796	0	165,117	6,455	89,875	53,357	1,948	877	0	442,847	852,869
1998	24,670	48,519		5,416	0	106,581	6,773	86,410	4,652	2,975	543	0	120,905	409,939
1999	15,102	96,031		8,136	0	155,433	2,623	49,323	38,879	11,288	716	0	95,057	476,592
2000	32,794	187,976		5,061	0	154,035	9,187	51,429	26,394	7,504	7,504	0	278,841	762,848
2001	27,356	109,312		8,471	0	127,713	21,194	67,167	16,060	4,786	669	0	322,505	708,932
2002	22,772	96,605		10,460	0	182,461	2,960	131,026	10,979	8,628	0	0	579,987	1,048,311
2003	20,416	116,609		2,560	0	148,484	2,427	61,780	6,618	2,983	0	2,404	666,574	1,028,957
2004	22,012	48,745		4,211	0	221,728	3,078	224,573	6,064	1,340	325	0	551,138	1,082,580
2005	36,247	36,445		1,927	0	111,583	4,141	80,514	9,548	1,850	897	0	384,061	637,203
2006	27,033	66,857		1,627	0	100,745	3,129	76,854	17,994	1,512	0	873	264,499	560,923
2007	36,686	91,875		2,888	0	97,516	5,285	67,387	14,251	255	0	0	314,541	630,683
2008	27,235	24,499		16,411	0	77,465	3,990	85,041	56,632	1,083	917	0	438,910	793,127
2009	24,499	109,337		7,723	0	124,827	9,075	117,680	10,982	4,353	621	0	285,875	703,661
2010	30,975	130,363		21,095	0	115,660	5,586	70,088	22,109	1,024	3,063	0	288,814	688,776
2011	29,520	122,272		7,527	0	84,093	5,974	155,407	12,401	2,750	981	0	313,712	738,619
2012	33,602	78,057		23,287	0	58,110	2,147	105,615	10,722	5,491	941	0	307,040	626,749
2013	18,322	114,678		7,201	0	109,199	8,853	114,182	10,195	4,817	0	3,038	392,065	767,265
2014	29,803	124,487		2,661	0	113,232	12,161	37,305	25,232	9,312	6,829	0	307,684	672,165
2015	32,484	134,966		20,650	0	182,767	6,743	244,406	15,178	1,469	1,469	0	236,865	876,815
2016	27,156	115,186		16,851	0	180,856	9,907	280,600	10,602	2,248	3,328	0	266,439	911,701
Averages:														
Long Term	14,858	90,631		7,467	0	109,735	5,101	89,444	14,220	2,284	1,000	1,411	201,022	537,174
3-yr	29,818	124,880		12,721	0	158,959	9,604	187,467	17,004	3,854	3,875	1,710	270,336	820,227
% Change from:														
Long Term	85.3	27.7		102.2	0	66.6	97.3	22.2	-25.8	-1.6	245.9	-69.3	33.3	71.7
3-yr	-8.9	-7.8		16.7	0	13.8	3.2	49.7	-37.6	-41.7	-14.1	0	-1.4	11.2
2015	-16.4	-14.7		-28.1	0	-1.1	46.9	14.8	-30.1	#DIV/0!	126.5	-64.6	12.5	4.0

**American Coot breeding population index corrected for visibility bias by survey area (strata 1-18, 20-50 and 75-77) from the Waterfowl Breeding Population and Habitat Survey, 1955-current.**

Year	AK	YT	N. AB	BC	NT	S. AB	N. SK	S. SK	N. MB	S. MB	MT	ND	SD	W. ON	Total
	(1-12)	(13-19	20	75-77)	(26-29)	(21-23)	(30-35)	(24-25)	(36-40)	(41-42)	(43-45-47)	(44, 48-49)	(50)		
1955	85	30,748	141,262	0	360,714	0	0	0	18,772	39,862	41,147	21,783	0	0	654,372
1956	238	5,473	108,038	0	604,698	0	0	0	45,684	0	44,395	21,609	0	0	869,216
1957	5	0	96,605	0	138,843	0	0	0	27,830	38,541	27,724	21,609	0	0	632,467
1958	0	0	56,069	0	127,546	0	0	0	76,960	38,206	59,014	24,941	0	0	424,735
1959	0	156,775	169,760	0	115,835	22,465	0	0	170,796	38,030	94,402	31,128	0	0	944,514
1960	0	3,884	120,075	7,855	141,952	33,997	0	0	87,532	37,985	81,985	40,387	0	0	525,652
1961	5	62,589	92,872	0	70,527	114,327	0	0	125,400	38,024	51,084	29,340	0	0	584,168
1962	0	23,713	19,746	5,498	78,951	32,780	0	0	32,780	38,259	103,968	60,958	0	0	383,055
1963	6,353	22,846	82,177	17,280	27,371	68,816	0	0	43,635	38,880	47,427	21,014	0	0	375,799
1964	6	18,709	39,957	6,265	50,484	79,782	0	0	37,394	39,997	44,200	53,366	0	0	340,280
1965	6	5,654	65,136	15,539	63,564	74,847	0	0	46,199	33,777	93,769	19,307	0	0	397,989
1966	6	35,540	48,130	8,240	83,356	42,222	0	0	20,318	19,440	150,515	33,777	0	0	441,544
1967	6	6,008	202,542	29,331	178,983	76,218	0	0	74,096	23,406	203,316	27,961	0	0	822,466
1968	6	82,071	98,780	132,574	214,325	448,558	0	0	46,404	58,112	127,526	75,652	0	0	1,284,008
1969	6	13,549	144,825	15,536	203,789	23,651	0	0	131,266	30,955	131,266	91,127	0	0	775,394
1970	7	9,611	169,841	19,072	450,341	42,962	0	0	169,108	22,279	192,302	91,771	0	0	1,168,192
1971	7	20,484	99,723	13,032	481,517	120,880	0	0	159,683	9,576	147,652	34,973	0	0	960,145
1972	7	32,012	122,608	7,213	284,899	19,572	0	0	17,541	178,836	110,937	126,109	0	0	933,308
1973	7	167,405	145,425	33,025	465,919	66,533	0	0	69,406	37,952	124,724	126,109	0	0	1,236,505
1974	7	30,827	266,979	4,595	544,311	23,022	0	0	23,022	22,196	368,921	27,821	1,943	0	1,513,180
1975	7	36,637	483,329	12,610	799,782	37,966	0	0	282,924	13,776	512,939	75,667	2,262	0	2,257,919
1976	7	27,056	83,519	32,801	1,512,966	32,432	0	0	470,430	59,458	104,227	66,604	2,579	0	2,392,079
1977	7	428,722	285,358	192,611	289,357	123,309	0	0	179,959	16,392	74,819	91,388	2,896	0	1,664,828
1978	7	65,559	168,357	48,248	317,848	111,315	0	0	13,893	389,599	38,083	232,503	3,213	0	1,444,124
1979	7	7,730	417,979	3,439	787,159	22,605	0	0	182,855	319,446	1,358,125	356,097	3,526	0	3,458,988
1980	0	415,657	501,055	292,094	634,230	201,320	0	0	330,575	104,220	395,967	77,091	3,830	0	2,956,046
1981	7	198,729	405,024	414,742	395,073	358,149	0	0	157,473	197,667	176,800	202,707	4,119	0	2,682,441
1982	7	68,725	371,736	25,849	735,368	93,241	0	0	111,878	53,327	561,294	263,525	4,386	0	1,668,518
1983	7	138,412	253,247	18,773	546,681	16,921	0	0	42,885	411,000	263,525	603,719	4,621	0	1,820,007
1984	94	91,666	542,666	88,836	507,406	23,213	0	0	38,308	103,474	898,926	603,719	4,811	0	2,903,119
1985	0	69,291	327,286	16,066	530,572	49,020	0	0	33,778	145,150	309,729	196,547	4,946	0	1,682,385
1986	0	34,233	282,225	7,861	315,049	14,492	0	0	212,457	32,078	313,196	487,546	0	0	1,699,157
1987	0	83,629	197,883	157,696	241,678	97,448	0	0	77,065	27,238	530,327	427,336	0	0	1,780,300
1988	0	232,749	166,147	100,139	930,687	240,716	0	0	591,810	95,515	429,080	436,363	0	0	3,223,206
1989	0	158,090	349,532	276,168	800,335	60,145	0	0	246,784	65,866	284,727	284,727	0	0	1,640,877
1990	0	197,152	485,709	23,665	261,462	38,073	0	0	151,795	153,414	161,725	191,467	0	0	1,664,462
1991	0	92,552	279,675	8,772	366,579	134,823	0	0	81,071	52,948	58,127	77,412	0	0	1,151,959
1992	0	114,937	307,393	14,993	442,607	52,576	0	0	215,542	15,337	84,060	132,791	0	0	1,380,235
1993	0	92,495	282,101	20,506	111,818	32,198	0	0	32,198	58,300	113,905	167,235	0	0	1,025,062
1994	0	50,381	234,680	23,451	383,314	8,801	0	0	35,778	56,845	607,988	310,988	0	0	1,712,227
1995	0	37,511	232,937	9,178	625,223	12,846	0	0	195,400	33,236	1,675,859	616,886	0	0	3,438,877
1996	0	41,342	234,396	11,750	866,111	7,843	0	0	281,166	38,798	1,241,902	409,910	0	0	3,131,109
1997	0	253,835	377,464	9,752	1,661,101	9,409	0	0	282,918	80,096	1,715,341	525,686	0	0	4,915,601
1998	0	467,038	260,003	26,584	594,337	33,716	0	0	506,699	12,778	767,945	468,990	0	0	3,138,079
1999	0	159,571	342,322	38,032	823,675	19,864	0	0	162,542	174,701	889,876	458,569	0	0	3,069,152
2000	0	615,563	418,760	79,295	848,496	129,964	0	0	284,810	69,091	912,574	300,905	0	0	3,659,459
2001	0	87,215	207,397	41,472	679,246	32,269	0	0	315,350	141,672	319,644	141,672	0	0	1,845,852
2002	0	584,907	376,090	91,236	306,829	203,347	0	0	246,718	36,341	437,898	235,084	0	0	2,518,449
2003	0	101,998	222,264	4,550	633,882	7,843	0	0	107,401	17,697	77,862	21,988	0	0	1,195,485
2004	0	284,932	240,183	74,401	536,335	31,025	0	0	83,747	43,403	525,804	32,210	0	0	1,862,040
2005	0	220,265	240,935	13,092	806,864	12,417	0	0	175,411	5,143	84,357	32,551	0	0	1,891,035
2006	0	195,126	418,974	10,691	1,186,247	7,931	0	0	103,699	11,877	103,799	60,546	1,372	0	2,102,263
2007	468	87,724	444,380	19,766	1,406,277	6,066	0	0	81,656	60,445	171,516	312,872	0	0	2,591,169
2008	0	281,459	667,924	29,080	1,640,884	14,458	0	0	136,639	308,040	308,040	417,504	0	0	3,625,954
2009	0	62,253	321,137	35,011	601,935	7,195	0	0	253,161	93,030	657,777	227,887	0	0	2,259,385
2010	0	129,577	333,652	2,326	590,896	2,851	0	0	46,784	43,313	675,446	584,335	0	0	2,409,179
2011	0	49,405	488,029	0	1,336,121	9,113	0	0	226,997	40,020	678,373	796,338	0	0	3,624,396
2012	0	88,659	498,022	3,184	2,333,385	7,688	0	0	110,731	15,364	1,129,963	520,246	0	0	4,700,325
2013	0	41,866	521,606	561	1,106,576	10,961	0	0	141,258	480,707	514,239	480,707	0	0	2,819,367
2014	0	45,556	775,060	2,907	1,505,727	0	0	0	208,362	58,843	929,115	478,590	0	0	4,004,160
2015	0	134,372	420,134	3,488	1,792,217	9,379	0	0	256,600	57,575	173,931	196,528	0	0	3,064,423
2016	0	142,341	376,842	1,163	1,482,890	4,768	0	0	204,577	58,460	305,927	241,854	0	0	2,818,801

Averages:		119	120,250	275,419	615,524	58,541	155,021	56,098	395,775	215,920	1,933,217	3,295,795	732	1,933,217
Long Term	3-yr	0	107,423	524,012	1,593,611	4,716	223,246	64,960	469,658	305,651	3,295,795	0	0	
% Change from:		-100.0	18.7	37.7	146.9	-92.0	32.7	4.3	-3.0	12.2	-100.0	46.9	-100.0	
Long Term	3-yr	#DIV/0!	32.5	-28.1	-53.8	1.1	-8.4	-10.0	-34.9	-20.9	#DIV/0!	-14.5	#DIV/0!	
2015	2016	#DIV/0!	5.9	-10.3	-17.3	-49.2	-20.3	-24.6	75.9	23.1	#DIV/0!	-8.0	-8.0	

Duck breeding population index from State breeding waterfowl surveys in California, Nevada, Oregon, Utah, and Washington, 1994-current.

Year	Mallard	Gadwall	Wigeon	GW Teal	BW Teal	Cin Teal <sup>b</sup>	Shoveler	Pintail	Dabblers	Redhead	Canvasback	Scaup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks
1994	507,609	145,809	8,511	9,641	20,733	121,064	54,158	15,597	883,122	51,885	4,864	8,131	2,908	2,305	4,635	25,293	100,021	14,272	687	998,102
1995	522,760	165,838	9,246	5,635	17,653	103,818	43,210	30,940	899,099	43,269	4,580	18,088	9,985	3,648	8,888	30,201	118,659	11,522	3,736	1,033,016
1996	716,569	165,474	22,105	16,237	14,080	66,959	106,112	28,509	1,136,045	43,040	2,649	36,670	10,505	4,967	12,332	39,643	149,806	11,667	2,215	1,239,733
1997	717,093	193,108	21,050	37,617	17,676	106,143	161,883	40,870	1,295,440	38,918	5,243	16,720	12,310	2,184	10,172	32,432	117,979	7,200	1,774	1,422,393
1998	573,053	163,357	35,461	28,954	21,550	95,001	140,770	15,854	1,074,000	43,656	5,640	27,938	12,394	1,531	7,475	112,518	211,152	12,779	4,948	1,302,879
1999	787,272	176,802	43,009	26,092	21,452	94,224	67,162	24,483	1,240,296	34,405	6,005	24,428	13,516	2,199	7,672	90,353	178,578	25,070	1,891	1,445,835
2000	533,792	184,300	14,861	10,580	19,848	93,802	86,438	14,267	957,908	40,517	5,783	14,528	17,818	2,292	3,601	34,814	119,352	10,405	2,518	1,090,183
2001	477,648	150,314	13,390	9,281	17,931	34,611	42,601	11,651	757,426	39,118	4,233	18,235	10,714	4,100	4,537	31,226	112,163	7,189	2,059	878,836
2002	427,598	135,033	14,137	5,407	24,369	59,567	49,525	10,769	726,405	27,932	6,147	21,901	8,520	4,036	11,434	21,621	101,591	7,135	2,416	837,547
2003	481,089	162,203	11,173	3,895	14,201	76,892	48,484	8,704	806,641	42,400	6,027	23,389	10,877	5,406	7,780	49,206	145,085	4,546	3,569	959,841
2004	403,210	160,126	11,984	5,917	13,659	74,955	30,219	12,724	712,794	28,048	2,433	11,615	4,639	3,297	7,565	34,965	92,562	12,553	2,944	820,853
2005	461,761	248,611	7,724	6,876	12,692	79,689	64,724	15,673	897,750	15,577	1,896	17,243	6,420	5,574	7,818	22,312	76,840	30,495	2,998	1,007,683
2006	553,681	205,850	15,878	13,125	9,544	102,757	60,140	20,544	981,519	29,767	5,975	21,177	13,495	3,055	20,043	33,370	126,882	25,644	1,989	1,136,034
2007	552,104	214,896	23,646	20,205	11,999	87,107	87,788	15,466	1,013,211	23,983	3,760	19,427	12,463	2,839	7,738	30,292	100,502	18,219	2,582	1,134,514
2008	447,715	156,513	11,537	8,021	12,015	84,805	86,774	7,175	814,555	24,247	3,720	18,674	9,134	4,782	25,687	53,115	139,359	21,092	2,606	977,612
2009	455,353	201,086	13,722	11,418	9,257	114,130	41,798	9,003	855,767	25,640	5,317	13,760	12,615	4,336	7,565	37,398	106,632	14,309	4,698	981,405
2010	538,294	155,849	12,174	12,275	1,822	104,449	59,925	7,159	891,948	37,082	14,123	14,945	9,874	199	18,336	25,104	119,675	11,656	2,151	1,025,431
2011	451,935	178,751	10,439	17,059	1,461	88,479	41,252	7,953	797,329	16,286	4,659	9,148	11,058	1,051	12,616	17,760	72,577	14,599	7,685	892,190
2012	590,095	153,532	14,889	13,470	1,668	64,999	58,652	10,027	907,332	26,678	4,048	9,575	15,549	1,027	16,097	29,391	102,365	15,518	5,541	1,030,757
2013	492,486	174,433	18,419	20,816	1,799	59,321	47,317	7,332	821,923	34,470	7,959	14,007	9,272	1,699	15,299	49,977	132,683	13,215	4,054	971,875
2014	428,231	195,525	19,989	28,950	1,536	80,060	94,366	5,566	854,222	28,052	9,112	9,224	13,188	703	9,656	48,103	118,038	20,934	7,897	1,001,091
2015	387,856	168,332	22,866	23,296	883	90,624	39,043	5,519	738,439	18,200	4,797	11,119	13,757	244	8,696	66,846	123,659	19,245	3,492	884,835
2016	452,612	128,586	13,801	14,097	505	75,541	30,324	19,712	735,178	26,086	6,188	12,145	8,130	79	5,675	37,346	95,649	16,254	3,679	850,760

Averages:																					
Long Term	519,992	173,223	16,959	15,168	11,667	85,174	67,072	15,022	904,276	32,142	5,442	17,047	10,832	2,676	10,492	41,447	120,079	15,023	3,380	1,042,757	
3-yr	422,900	164,147	18,892	22,114	975	82,075	54,578	10,266	775,946	24,113	6,699	10,829	11,692	342	8,009	50,765	112,449	18,811	5,023	912,228	
% Change from:																					
Long Term	-13.5	-26.6	-19.3	-7.4	-95.9	-11.8	-55.9	33.1	-19.4	-19.5	14.4	-29.7	-25.8	-97.2	-47.0	-10.3	-21.1	8.6	9.3	-19.1	
3-yr	7.0	-21.7	-26.9	-36.3	-48.2	-8.0	-44.4	92.0	-5.3	8.2	-7.6	12.2	-30.5	-76.8	-29.1	-26.4	-14.9	-13.6	-26.7	-6.7	
2015	16.7	-23.6	-39.7	-39.5	-42.9	-16.6	-22.3	257.2	-0.4	43.3	29.0	9.2	-40.9	-67.5	-34.7	-44.1	-22.7	-15.5	5.4	-3.9	

<sup>a</sup>Surveys in NV and UT redesigned in 2009 (estimates not comparable before and after survey redesign), and redesigned in WA and OR in 2014 (data includes updates).

<sup>b</sup>Pacific Flyway total Cinnamon Teal estimates could be derived from all states except WA, but the majority of the old BW/Cin column is assumed to be Cin based on recent history.

**Duck breeding population index for California from the State waterfowl breeding population survey, 1990--current.**

Year	Mallard	Gadwall	Wigeon	GW Teal	BW Teal	Cin Teal	Showeler	Pintail	Dabblers	Redhead	Canvasback	Scup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks	
1990	615,025	32,210	2,260	7,714	0	32,708	12,926	8,328	710,571	15,066	459	272	7,010	0	1,521	778	25,106	10,796	0	746,473	
1991	380,834	24,168	3,348	1,637	0	70,173	3,231	95,364	578,755	7,999	815	18,837	2,252	1,180	290	18,108	49,481	14,500	0	642,736	
1992	384,579	38,249	1,031	2,855	0	63,165	7,876	5,037	502,792	3,153	0	7,523	487	0	0	8,465	19,628	4,533	2,612	529,565	
1993	384,280	77,939	3,929	6,097	0	74,554	55,866	8,694	611,359	11,047	259	4,081	536	0	1,126	6,197	23,246	2,411	0	637,016	
1994	321,097	59,452	1,453	6,636	0	31,725	25,857	8,464	454,684	2,541	859	957	111	0	3,628	497	9,346	166	0	472,789	
1995	368,526	94,421	3,221	1,995	0	51,330	15,650	20,873	554,021	5,250	1,022	6,349	67	0	2,598	11,970	27,256	8,433	0	589,710	
1996	536,709	92,024	6,995	639	0	18,140	61,514	9,571	725,592	2,625	518	22,547	407	2,292	2,761	12,007	43,157	4,216	327	773,292	
1997	511,344	93,441	4,476	21,536	0	46,336	101,558	23,585	802,276	808	790	1,553	0	307	325	8,610	12,393	2,763	0	814,986	
1998	353,901	69,936	22,322	14,646	0	39,443	100,679	6,213	607,140	4,038	198	15,047	418	0	2,648	74,529	96,878	2,763	0	706,781	
1999	560,063	92,434	30,124	16,786	0	39,725	22,183	13,207	774,522	1,211	472	6,313	0	0	2,273	53,142	16,323	3,414	0	854,256	
2000	347,559	103,989	4,220	1,802	0	24,689	55,728	6,163	544,150	1,615	1,226	3,077	0	0	1,299	8,454	15,671	0	0	563,235	
2001	302,204	68,560	3,952	4	0	26,592	6,393	1,057	408,762	0	0	3,025	0	0	0	1,749	4,774	0	0	413,536	
2002	265,295	59,345	350	230	0	14,008	22,920	2,417	364,565	1,211	3,139	5,863	0	0	3,348	2,010	15,571	0	0	380,136	
2003	337,056	78,037	3,738	0	0	29,382	25,277	4,296	477,786	11,207	3,708	7,320	125	0	2,631	23,497	48,488	0	1,373	527,647	
2004	262,727	75,773	1,021	0	0	35,461	7,903	5,440	388,325	1,226	0	1,324	0	0	1,949	13,936	18,435	7,041	0	413,801	
2005	317,869	179,356	450	283	0	37,984	28,096	6,412	570,450	1,083	126	9,604	0	1,997	3,637	7,578	24,025	23,766	0	618,241	
2006	399,436	122,326	1,969	80	0	57,570	24,427	7,266	613,074	4,034	1,569	2,461	0	0	3,449	5,568	17,081	19,220	0	649,375	
2007	388,324	137,686	2,771	2,833	0	40,050	22,884	3,610	598,158	7,803	785	711	2,400	0	1,025	6,164	18,888	10,561	0	627,607	
2008	297,129	69,000	2,562	602	0	43,105	64,335	2,604	479,337	4,029	392	9,574	1,941	921	16,278	28,245	61,380	13,577	0	554,294	
2009	301,960	109,502	2,209	224	0	50,872	26,694	1,029	492,490	3,190	403	1,710	987	614	1,239	2,198	10,341	7,949	704	511,484	
2010	367,891	82,763	1,428	1,465	0	46,478	20,671	2,874	525,570	2,368	785	5,050	813	0	1,401	1,879	12,296	3,442	654	541,962	
2011	314,715	118,479	1,544	977	0	63,704	23,027	4,198	526,644	4,164	569	4,207	1,644	921	5,618	4,436	21,559	10,390	5,232	563,825	
2012	381,922	51,936	4,476	2,112	0	26,600	29,176	4,906	501,128	1,697	392	684	0	0	3,650	12,777	19,200	4,198	0	524,526	
2013	298,636	74,410	3,429	1,592	0	22,560	23,142	2,193	425,962	654	1,237	2,717	571	307	2,879	14,116	22,481	2,832	0	451,275	
2014	238,666	93,259	3,755	6,386	0	30,870	32,198	963	406,097	4,093	4,356	1,618	976	323	2,149	20,565	34,080	8,573	1,577	450,327	
2015	173,865	58,290	1,893	2,143	0	28,534	12,834	772	278,331	1,316	277	1,295	2,054	0	2,166	21,718	28,826	8,421	181	315,759	
2016	263,774	58,380	1,867	2,863	0	30,221	10,822	10,372	378,299	4,089	3,474	494	1,077	0	1,598	21,432	32,165	6,900	428	417,791	
Averages:																					
Long Term	358,348	82,051	4,474	3,783	0	39,903	31,254	9,848	529,661	3,982	1,031	5,341	884	328	2,648	14,468	28,682	7,541	503	566,386	
3-yr	225,435	69,976	2,505	3,797	0	29,875	18,618	4,036	354,242	3,166	2,702	1,136	1,369	108	1,971	21,238	31,690	7,965	729	394,626	
% Change from:																					
Long Term	-27.1	-29.6	-59.2	-25.0	#DIV/0!	-25.0	-66.2	5.5	-29.4	2.8	270.9	-91.1	22.9	-100.0	-40.6	50.9	12.7	-8.8	-15.4	-27.0	
3-yr	17.0	-16.6	-25.5	-24.6	#DIV/0!	1.2	-41.9	157.0	6.8	29.2	28.6	-56.5	-21.3	-100.0	-18.9	0.9	1.5	-13.4	-41.3	5.9	
2015	51.7	0.2	-1.4	33.6	#DIV/0!	5.9	-15.7	1,243.6	35.9	210.7	1,154.2	-61.8	-47.6	#DIV/0!	-26.2	-1.3	11.6	-18.1	136.5	32.3	

**Duck breeding population index for Nevada<sup>a</sup> from the State waterfowl breeding population survey, 1990-current.**

Year	Mallard	Gadwall	Wigeon	GW Teal	BW Teal	Cin Teal	Shoveler	Pintail	Dabblers	Redhead	Canvasback	Scaup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks
1990	1,928	5,760	6,215	388	706	14,997	9,564	267	5,411	15,242	30,239									
1991	1,303	4,245	4,741	487	321	11,097	5,115	94	3,754	8,963	20,060									
1992	2,113	5,031	3,795	318	617	11,874	4,029	128	4,461	8,618	20,492									
1993	1,009	2,372	1,964	195	855	6,395	4,070	66	944	5,082	11,477									
1994	2,246	6,380	3,890	271	805	13,592	6,972	527	1,547	9,046	22,638									
1995	1,377	5,297	3,501	384	620	11,179	6,673	363	2,586	9,622	20,801									
1996	2,255	6,932	6,532	525	1,176	17,420	10,798	426	2,262	13,486	30,906									
1997	3,554	7,856	4,950	602	841	17,803	9,191	559	2,196	11,946	29,749									
1998	2,497	6,470	5,219	476	1,068	15,720	9,326	752	4,748	14,826	30,546									
1999	2,506	8,237	6,170	1,839	1,265	20,017	7,587	1,302	2,422	11,311	31,328									
No Survey																				
2000	2,883	8,031	4,733	476	746	16,869	9,301	363	4,584	14,248	31,117									
2001	1,104	3,828	2,295	232	225	7,684	4,441	182	1,990	6,613	14,297									
2002	2,126	6,824	4,018	358	540	13,866	7,039	427	3,239	10,705	24,571									
2003	2,660	7,755	4,195	584	687	15,881	7,224	326	3,887	11,437	27,318									
2004	994	2,442	2,258	207	220	6,121	3,367	337	1,349	5,083	11,204									
2005	1,784	4,183	3,668	449	413	23,511	5,387	727	7,743	13,857	37,368									
2006	2,080	3,234	3,888	135	146	9,463	0	0	0	1,985	11,448									
2007	1,924	928	3,051	105	121	6,129	2,139	297	0	2,957	5,393									
2008	12,665	25,831	32,061	1,455	2,471	77,701	5,695	3,141	1,498	1,498	604									
2009	8,878	7,183	0	0	388	26,169	14,344	11,188	1,832	11,754	1,682									
2010	2,328	4,403	91	159	343	121	7,958	1,063	104	11,351	25,493									
2011	4,087	8,014	2,551	2,977	466	18,320	1,825	193	1,832	11,754	1,682									
2012	8,838	11,579	157	0	88	24,332	3,055	3,722	66	4,985	11,718									
2013	4,155	6,836	2,576	20	20	13,675	2,726	1,869	0	2,666	337									
2014	5,507	6,646	4,999	207	346	17,720	1,450	723	2,298	479	117									
2015	14,372	6,374	0	4,160	867	26,921	5,057	614	4,350	108	28									
2016	3,737	6,641	5,642	572	657	17,401	5,671	1,165	1,826	241	128									
Averages:	8,011	6,619	3,912	365	512	19,439	3,078	1,069	2,919	196	79									
Long Term																				
3-yr																				
% Change from:																				
Long Term																				
3-yr	333.9	-4.2	-95.6	-74.1	#DIV/0!	58.2	-11.2	-48.3	181.5	-57.7	-100.0									
2015	79.4	-3.7	41.0	200.0	#DIV/0!	38.5	64.3	-42.5	49.0	-44.7	-100.0									
	161.0	-4.1	-11.3	#DIV/0!	218.6	51.9	248.7	-15.0	89.3	-77.4	-100.0									

<sup>a</sup>Surveys in NV redesigned in 2009 (estimates not comparable before and after survey redesign).



**Duck breeding population index for Oregon<sup>a</sup> from the State waterfowl breeding population survey, 1994-current.**

Year	Mallard	Gadwall	Wigeon	GW Teal	BW Teal	Cin Teal	Shoveler	Pintail	Dabblers	Redhead	Canvasback	Scup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks	
1994	116,430	54,229	2,282	1,338	0	75,723	21,814	5,006	276,822	22,906	3,398	1,876	1,431	804	933	12,798	44,147	2,531	72	323,571	
1995	77,515	40,577	2,100	2,643	1,292	40,444	12,152	6,225	182,947	11,791	2,519	1,795	3,501	1,189	3,651	5,689	30,136	1,814	989	215,886	
1996	102,168	43,976	8,897	11,508	0	34,533	33,835	13,139	248,056	11,210	1,060	2,317	6,156	315	4,406	8,685	34,149	5,278	916	288,400	
1997	121,155	61,651	8,027	8,800	773	49,206	46,201	13,080	308,894	13,170	2,530	6,620	9,734	0	4,370	8,695	45,118	4,980	475	359,467	
1998	124,942	65,025	5,918	6,920	1,322	46,790	26,086	5,834	282,837	13,562	4,071	5,230	8,635	223	3,772	15,793	51,285	7,632	3,377	345,132	
1999	125,631	52,004	6,895	5,230	536	44,518	24,519	7,400	266,732	10,782	3,197	7,362	8,675	200	4,144	12,441	46,801	5,530	902	319,966	
2000	110,854	54,495	6,037	5,296	0	59,913	20,437	5,449	262,480	12,782	3,297	4,461	12,132	164	1,826	11,798	46,460	4,263	1,672	314,875	
2001	No Survey																				
2002	104,481	44,688	7,243	2,387	0	38,073	18,501	7,019	222,390	6,914	1,320	6,747	6,942	0	6,444	7,863	36,229	4,850	1,175	264,644	
2003	89,032	54,287	2,276	1,906	2,929	40,141	14,300	2,544	207,414	11,344	973	3,326	7,424	693	2,031	8,862	34,653	3,407	637	246,111	
2004	82,461	54,514	5,373	4,210	41	31,488	14,782	4,156	197,025	8,139	1,471	5,450	3,424	43	4,186	5,418	28,132	3,296	1,393	229,845	
2005	74,115	41,906	3,634	3,995	288	31,430	30,527	4,508	190,402	4,484	818	1,763	3,589	0	1,430	2,943	14,007	4,444	1,533	210,387	
2006	81,108	46,403	7,784	8,710	0	22,196	24,666	9,979	200,844	6,105	2,207	8,717	9,197	204	9,894	8,651	44,975	4,396	944	251,159	
2007	92,461	50,243	14,337	12,831	0	33,923	58,694	9,669	272,157	5,681	2,207	11,799	6,500	0	3,703	11,854	41,743	4,910	305	319,114	
2008	75,363	56,641	6,184	5,531	95	23,929	15,815	3,634	187,191	2,927	1,880	4,684	3,692	0	5,341	12,899	31,423	4,914	749	224,278	
2009	72,616	37,795	4,842	4,188	41	20,683	6,448	3,746	150,358	3,718	899	2,354	6,935	0	4,971	12,419	31,297	3,766	554	185,975	
2010	66,762	39,286	5,002	4,873	41	24,868	22,098	2,370	165,300	4,593	2,085	5,083	5,835	0	7,461	8,089	33,144	6,396	225	205,065	
2011	61,556	40,925	2,339	2,617	0	16,861	8,656	3,544	136,498	5,430	2,128	1,311	4,359	43	1,696	4,244	19,211	2,275	436	158,420	
2012	88,803	69,774	3,655	5,881	82	23,725	18,824	3,527	214,270	13,434	3,252	6,298	6,464	170	4,011	7,464	41,095	5,551	2,553	263,468	
2013	84,336	62,766	9,038	9,010	0	19,350	15,919	3,398	203,816	6,073	1,390	4,683	4,809	0	6,033	18,407	41,395	5,729	744	251,684	
2014	85,259	71,120	10,047	17,216	82	31,250	55,758	3,879	274,611	6,884	2,454	3,651	7,536	0	2,753	9,534	32,822	6,124	1,632	315,189	
2015	87,361	73,726	12,121	8,623	86	35,674	15,620	2,653	235,864	4,277	1,989	4,975	4,179	0	3,075	18,536	37,031	5,796	992	279,683	
2016	87,346	39,015	5,512	6,280	123	23,422	14,108	7,063	182,869	6,030	1,392	3,953	2,876	0	2,492	7,860	24,604	5,797	361	213,631	
Averages:																					
Long Term	91,443	52,502	6,343	6,363	351	34,915	23,625	5,810	221,354	8,692	2,115	4,748	6,092	184	4,028	10,043	35,903	4,713	1,029	262,998	
3-yr	86,655	61,287	9,227	10,706	97	30,115	28,495	4,532	231,115	5,734	1,945	4,193	4,864	0	2,773	11,977	31,486	5,906	995	269,501	
% Change from:																					
Long Term	-4.7	-26.6	-13.6	-1.4	-66.1	-34.0	-41.4	22.8	-18.1	-31.6	-35.3	-17.4	-53.9	-100.0	-39.2	-22.5	-32.5	24.4	-66.0	-19.5	
3-yr	0.8	-36.3	-40.3	-41.3	26.6	-22.2	-50.5	55.9	-20.9	5.2	-28.4	-5.7	-40.9	#DIV/0!	-10.1	-34.4	-21.9	-1.8	-63.7	-20.7	
2015	0.0	-47.1	-54.5	-27.2	42.6	-34.3	-9.7	166.2	-22.5	41.0	-30.0	-20.5	-31.2	#DIV/0!	-18.9	-57.6	-33.6	0.0	-63.6	-23.6	

<sup>a</sup>Oregon changed survey coverage in 2014 (data include updates).

Duck breeding population index for Utah<sup>a</sup> from the State waterfowl breeding population survey, 1990–current.

Year	Mallard	Gadwall	Wigeon	GW Teal	BW Teal	Cin Teal	Shoveler	Pintail	Dabblers	Redhead	Canvasback	Scaup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks
1990	1,323	4,871				3,025	5,874	179	15,272	4,368						10,265	14,633			29,905
1991	3,222	6,541				4,340	36,772	538	51,413	1,130						22,342	23,472			74,885
1992	2,818	7,740				9,791	1,103	896	22,348	3,605						6,014	9,619			31,967
1993	3,910	6,236				3,286	1,482	716	15,640	4,170						1,191	5,361			21,001
1994	7,590	12,635				9,726	2,303	358	32,612	4,539						2,160	6,699			39,311
1995	8,625	13,237				8,543	9,828	2,060	42,293	6,602						0	6,602			48,895
1996	8,165	6,427				7,754	4,152	2,687	29,185	4,365						2,178	6,543			35,728
1997	7,935	13,675				5,651	1,751	537	29,549	3,366						3,088	6,454			36,003
1998	5,405	4,212				3,549	876	627	14,669	4,235						1,956	6,191			20,860
1999	5,405	6,072				3,811	3,535	448	19,271	998						7,706	8,704			27,975
2000	7,475	4,349				9,200	454	716	22,194	1,988						493	2,491			24,685
2001	3,795	3,337				3,286	259	358	11,035	1,933						5,035	6,968			18,003
2002	4,830	7,849				5,191	1,881	716	20,467	3,453						629	4,082			24,549
2003	5,118	6,564				3,351	681	672	16,386	4,648						1,310	5,958			22,344
2004	5,980	5,743				3,811	649	1,343	17,526	2,997						1,769	4,766			22,292
2005	19,148	7,795				8,017	1,362	3,851	40,173	2,584						221	2,805			42,978
2006	19,091	13,748				6,309	3,925	1,791	44,864	5,712						561	6,273		0	51,137
2007	14,605	4,704				9,266	454	1,343	30,372	2,020						510	2,530		0	32,902
2008	13,743	14,249				14,720	1,362	358	44,432	7,145						459	7,604		0	52,036
2009	13,685	14,386				10,514	1,557	537	40,679	5,799						2,986	8,785		0	49,464
2010	13,570	7,979				12,354	2,789	627	37,319	6,971						476	7,447		0	44,766
2011	10,695	3,911				4,337	260	90	19,293	1,238						680	1,918		0	21,211
2012	16,561	6,345				6,769	1,427	358	31,460	2,345						723	3,068		0	34,528
2013	17,481	7,248	295	2,231	10	7,491	1,200	269	36,225	13,291	1,200	350	0	0	0	7,306	22,147	68	0	58,440
2014	13,685	4,102	61	0	0	6,046	1,038	90	25,022	8,274	354	46	0	0	0	1,114	9,788	0	0	34,810
2015	34,731	7,138	304	0	0	11,040	5,222	985	59,420	6,407	1,063	334	0	0	0	774	8,578	0	0	67,998
2016	27,256	10,256	61	152	0	9,594	1,687	358	49,364	3,497	708	759	0	0	0	1,540	6,504	0	0	55,868
Averages: Long Term 3-yr	10,957 25,224	7,828 7,165	66 142	217 51	2 0	7,066 8,893	3,478 2,649	871 478	30,314 44,602	4,359 6,059	302 708	135 380	0 0	0 0	0 0	3,092 1,143	7,629 8,290	6 0	0	37,946 52,892
% Change from: Long Term 3-yr	163.8 8.1	32.6 43.1	-7.6 -57.0	-31.9 200.0	-100.0 #DIV/0!	37.7 7.9	-52.4 -36.3	-59.8 -25.1	66.9 10.7	-20.4 -42.3	170.5 0.0	939.7 99.9	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	#DIV/0! #DIV/0!	-51.1 34.8	-15.2 -21.5	-100.0 #DIV/0!	#DIV/0! #DIV/0!	50.0 5.6
2015	-21.5	43.7	-79.9	#DIV/0!	#DIV/0!	-13.1	-67.7	-63.7	-16.9	-45.4	-33.4	127.2	#DIV/0!	#DIV/0!	#DIV/0!	99.0	-24.2	#DIV/0!	#DIV/0!	-17.8

<sup>a</sup>Surveys in UT redesigned in 2009 (estimates not comparable before and after survey redesign).

Duck breeding population index for Washington<sup>a</sup> from the State waterfowl breeding population survey, 1990-current.

Year	Mallard	Gadwall	Wigeon	GW Teal	BW Teal	Cin Teal	Shoveler	Pintail	Dabblers	Redhead	Canvasback	Scup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks	
1990	58,502	11,557	6,001	2,323	27,932	12,087	19,976	150	8,431	1,014	3,131	1,143	46,911	1,143	56	160,197	1,143	56	160,197		
1991	42,194	8,328	5,861	2,175	28,528	91,104	16,956	222	12,842	1,983	2,352	2,092	46,305	2,092	348	138,849	2,092	348	138,849		
1992	38,905	7,685	2,646	1,167	28,436	83,230	9,665	274	6,349	2,032	1,530	666	27,343	666	6,827	27,343	666	6,827	181	114,293	
1993	51,049	10,413	4,102	1,345	24,797	98,041	14,524	728	11,040	1,590	1,501	533	35,988	533	6,072	35,988	533	6,072	51	135,615	
1994	52,626	10,763	4,798	1,669	20,733	95,453	14,922	80	5,902	1,496	1,496	71	31,510	71	8,291	31,510	71	8,291	224	129,593	
1995	58,907	11,027	3,761	2,987	16,361	99,401	12,942	677	9,942	5,937	2,469	2,461	44,374	2,461	9,956	44,374	2,461	9,956	2,277	147,308	
1996	61,615	14,996	6,010	3,953	14,080	108,594	14,042	640	11,762	3,815	2,358	4,886	14,511	4,886	14,511	52,014	2,056	593	163,257	593	
1997	66,991	15,304	8,392	7,040	16,903	129,202	12,363	1,362	8,433	2,490	1,877	5,358	9,837	5,358	9,837	41,720	1,584	270	172,776	270	
1998	78,962	17,077	7,039	7,175	20,228	145,171	12,389	619	7,674	2,490	1,308	805	15,474	805	15,474	40,769	1,836	668	188,444	668	
1999	86,243	17,130	5,721	3,665	19,848	150,746	13,568	1,032	10,697	3,835	1,993	1,094	14,556	1,094	14,556	46,775	2,496	182	200,199	182	
2000	60,434	13,908	4,523	3,320	19,848	112,103	15,584	603	6,982	5,100	2,126	410	11,419	410	11,419	42,224	1,841	161	156,329	161	
2001	50,464	16,260	3,593	3,036	17,931	100,301	13,915	1,073	10,976	3,931	3,643	826	9,156	826	9,156	43,520	2,223	356	146,400	356	
2002	44,676	18,526	6,500	2,673	24,369	103,107	11,890	1,506	9,289	1,405	4,036	1,606	9,023	1,606	9,023	38,695	1,863	327	143,992	327	
2003	39,843	15,353	5,028	1,749	11,272	81,647	8,117	919	12,722	3,063	4,713	3,034	12,175	3,034	12,175	44,743	616	757	127,763	757	
2004	39,958	15,184	5,442	1,477	13,618	83,068	8,364	618	4,807	850	3,254	1,280	9,624	1,280	9,624	28,797	1,563	463	113,881	463	
2005	40,794	15,665	3,439	2,406	12,404	79,829	4,978	610	5,741	2,525	3,567	2,425	10,150	2,425	10,150	29,996	1,375	304	111,504	304	
2006	45,485	17,995	6,012	4,095	9,544	90,801	8,482	1,460	9,709	3,640	2,847	6,361	10,464	6,361	10,464	42,973	1,549	121	135,444	121	
2007	46,053	17,165	6,240	4,060	11,999	91,649	8,265	756	6,530	2,732	2,837	2,809	9,538	2,837	9,538	33,467	1,870	1,279	128,265	1,279	
2008	50,646	14,065	2,618	1,590	11,920	86,187	7,757	1,132	4,244	2,995	3,841	3,728	8,262	3,728	8,262	31,959	1,781	969	120,896	969	
2009	47,544	12,212	4,283	5,741	9,217	85,749	7,156	873	5,982	2,521	3,686	849	8,378	849	8,378	29,545	1,327	1,030	117,650	1,030	
2010	81,193	18,638	5,744	5,938	1,781	137,990	8,816	66	2,439	3,056	80	7,642	2,907	7,642	2,907	25,006	1,675	709	164,979	709	
2011	62,640	11,033	6,465	13,306	1,461	106,935	4,401	0	106,935	4,401	262	3,364	5,017	87	5,302	7,831	26,264	1,915	1,902	137,016	1,902
2012	89,385	15,660	6,154	5,000	1,587	5,354	6,798	770	129,864	6,798	846	7,717	5,770	846	5,770	32,213	1,915	1,902	165,520	1,902	
2013	74,079	16,654	5,212	7,763	1,789	7,460	6,373	748	120,078	11,187	406	3,522	3,475	1,347	6,051	4,789	30,776	1,722	1,722	165,520	1,722
2014	86,466	20,208	6,126	5,348	1,454	9,318	5,352	546	134,817	6,065	79	1,799	4,676	380	4,754	14,224	31,977	6,144	4,124	177,062	4,124
2015	86,392	22,532	8,553	12,530	797	10,377	5,160	763	147,104	4,760	745	2,217	7,045	222	3,405	20,681	39,065	4,911	1,860	192,940	1,860
2016	59,864	14,561	6,347	4,770	382	8,143	2,841	817	97,724	7,413	0	2,589	4,068	79	1,347	2,268	17,765	3,529	2,422	121,440	2,422
Averages:																					
Long Term	59,330	14,811	5,430	4,381	13,714	7,594	6,809	1,021	107,466	10,565	633	6,993	3,336	2,133	2,872	9,827	36,359	2,206	905	146,936	905
3-yr	77,574	19,100	7,009	7,549	878	9,279	4,451	709	126,548	6,076	275	2,202	5,263	227	3,169	12,391	29,602	4,861	2,802	163,814	2,802
% Change from:																					
Long Term	0.9	-1.8	17.6	9.2	-97.3	8.5	-59.2	-20.6	-9.4	-30.6	-100.0	-63.8	23.0	-96.4	-54.0	-77.6	-52.1	63.7	186.0	-17.9	-17.9
3-yr	-22.8	-23.8	-9.4	-36.8	-56.5	-12.2	-36.2	15.3	-22.8	22.0	-100.0	17.6	-22.7	-65.0	-57.5	-81.7	-40.0	-27.4	-13.6	-25.9	-25.9
2015	-30.7	-35.4	-25.8	-61.9	-52.1	-21.5	-44.9	7.1	-33.6	56.1	-100.0	16.8	-42.3	-64.2	-60.4	-89.0	-54.5	-28.1	30.2	-37.1	-37.1

<sup>a</sup>Washington changed survey coverage in 2014; (data include updates).

Western mallard breeding population index, 1977–current.

Year	Alaska		British Columbia		Washington		Oregon		California		BC, WA, CA, & OR Subtotal (Southern Pacific Flyway)		Total	
	Index	SE	Index	SE	Index	SE	Index	SE	Index	SE	Index	SE	Index	SE
1977	459,778	55,724	.	.	.	.	.	.	.	.	.	.	.	.
1978	318,842	36,342	.	.	.	.	.	.	.	.	.	.	.	.
1979	275,779	36,047	.	.	.	.	.	.	.	.	.	.	.	.
1980	399,102	39,399	.	.	.	.	.	.	.	.	.	.	.	.
1981	476,251	48,716	.	.	.	.	.	.	.	.	.	.	.	.
1982	254,727	29,708	.	.	.	.	.	.	.	.	.	.	.	.
1983	321,687	28,506	.	.	.	.	.	.	.	.	.	.	.	.
1984	504,182	52,275	.	.	.	.	.	.	.	.	.	.	.	.
1985	219,055	24,633	.	.	.	.	.	.	.	.	.	.	.	.
1986	233,539	26,196	.	.	.	.	.	.	.	.	.	.	.	.
1987	185,802	19,422	.	.	.	.	.	.	.	.	.	.	.	.
1988	356,711	36,604	.	.	.	.	.	.	.	.	.	.	.	.
1989	411,507	34,261	.	.	.	.	.	.	.	.	.	.	.	.
1990	366,933	37,017	.	.	.	.	.	.	.	.	.	.	.	.
1991	385,319	36,279	.	.	.	.	.	.	.	.	.	.	.	.
1992	345,708	38,708	.	.	.	.	.	.	.	.	.	.	.	.
1993	282,983	29,533	.	.	.	.	.	.	.	.	.	.	.	.
1994	350,875	37,142	.	.	.	.	.	.	.	.	.	.	.	.
1995	524,200	67,975	.	.	.	.	.	.	.	.	.	.	.	.
1996	522,006	43,552	.	.	.	.	.	.	.	.	.	.	.	.
1997	584,247	51,997	.	.	.	.	.	.	.	.	.	.	.	.
1998	836,216	67,284	.	.	.	.	.	.	.	.	.	.	.	.
1999	713,054	69,568	.	.	.	.	.	.	.	.	.	.	.	.
2000	770,333	52,159	.	.	.	.	.	.	.	.	.	.	.	.
2001	718,286	54,127	.	.	.	.	.	.	.	.	.	.	.	.
2002	667,339	50,687	.	.	.	.	.	.	.	.	.	.	.	.
2003	843,497	66,823	.	.	.	.	.	.	.	.	.	.	.	.
2004	811,135	63,878	.	.	.	.	.	.	.	.	.	.	.	.
2005	703,140	54,748	.	.	.	.	.	.	.	.	.	.	.	.
2006	515,821	46,935	8,744	.	.	.	.	.	.	.	.	.	.	.
2007	581,493	55,053	8,182	.	.	.	.	.	.	.	.	.	.	.
2008	532,414	46,797	80,640	5,933	.	.	.	.	.	.	.	.	.	.
2009	502,970	44,896	73,160	5,389	.	.	.	.	.	.	.	.	.	.
2010	605,556	53,070	81,224	6,177	91,782	11,261	.	.	.	.	.	.	.	.
2011	415,825	38,767	70,100	6,930	71,376	9,456	66,762	5,657	61,556	4,637	55,412	607,659	57,162	1,213,215
2012	505,583	51,067	83,305	8,993	89,385	7,281	88,803	7,505	387,061	54,532	314,715	517,747	46,709	933,572
2013	338,379	38,215	82,745	7,627	74,079	7,571	84,336	6,431	298,636	52,290	314,715	648,554	56,249	1,154,137
2014	500,879	57,351	82,599	6,804	86,466	8,860	85,259	8,572	238,666	54,606	238,666	539,796	53,769	878,175
2015	470,915	50,867	81,341	6,911	86,392	8,192	87,361	8,611	173,865	28,175	173,865	492,990	56,392	993,870
2016	584,200	65,389	73,875	6,260	59,864	4,222	87,346	8,038	263,774	35,602	263,774	428,959	31,350	80,432
Averages:														
Long Term	484,907	45,943	82,878	7,086	79,906	8,120	91,262	8,045	345,638	53,473	345,638	531,509	48,415	1,020,272
3-yr	518,665	57,869	79,272	6,658	77,574	7,091	86,655	8,407	225,435	39,461	225,435	468,936	41,671	987,601
% Change from:														
Long Term	21.1	43.9	-11.8	-12.7	-28.1	-51.9	-4.5	-0.1	-24.4	-34.3	-10.1	-25.9	5.6	7.3
3-yr	12.6	13.0	-6.8	-6.0	-22.8	-40.5	0.8	-4.4	17.0	-9.8	3.4	-10.6	8.2	4.8
2015	24.1	28.5	-9.2	-9.4	-30.7	-48.5	0.0	-6.7	51.7	26.4	13.0	18.9	18.8	26.0

Pacific Brant population indices from the Mid-winter Waterfowl Survey, 1936–current. The table continues on the next page and includes long-term summary statistics.

Year	U.S. and Canada						Mexico <sup>b</sup>			MWS Index		Izembek Index	
	Ak <sup>e</sup>	BC <sup>a</sup>	WA	OR	CA	Subtotal <sup>a</sup>	Baja	Mainland	Subtotal	Annual <sup>c</sup>	3-yr Avg <sup>c</sup>	Annual <sup>d</sup>	% Juv <sup>d</sup>
1936			8,202	3,085	19,910	31,197							
1937			13,450	5,935	13,460	32,845							
1938			24,560	10,475	38,200	73,235							
1939			25,595	9,502	16,890	51,987							
1940			35,520	5,350	35,050	75,920							
1941			24,100	5,000	31,785	60,885							
1942			53,950	6,850	28,983	89,783							
1943			37,000	575	18,000	55,575							
1944			33,950	7,250	20,250	61,450							
1945			32,650	3,000	30,100	65,750							
1946			25,462	55	60,452	85,969							
1947			20,250	8,200	39,640	68,090							
1948			20,660	2,850	32,750	56,260							
1949			20,650	803	66,515	87,968							
1950			15,574	3,600	57,792	76,966							
1951			21,639	2,110	48,131	71,880	93,200	0	93,200				
1952			16,578	3,200	43,840	63,618	102,945	0	102,945				
1953			27,473	1,509	37,557	66,539	87,905	0	87,905				
1954			15,376	1,560	28,750	45,686	86,316	0	86,316				
1955			21,915	1,686	34,070	57,671	76,679	0	76,679				
1956			15,914	2,073	38,510	56,497	52,743	0	52,743				
1957			20,701	1,493	35,848	58,042	73,380	0	73,380				
1958			25,219	2,778	26,560	54,557	71,305	4	71,309				
1959			10,815	1,121	10,750	22,686	71,305	1,400	72,705				
1960			17,614	652	3,771	22,037	113,087	1,115	114,202	136,239	--		
1961			16,675	1,330	6,853	24,858	138,625	4,355	142,980	167,838	--		
1962			25,815	2,266	23,510	51,591	116,245	2,400	118,645	170,236	158,104		
1963			20,400	2,639	2,388	25,427	101,575	13,240	114,815	140,242	159,439		
1964			34,169	2,000	8,353	44,522	117,470	23,290	140,760	185,282	165,253		23.853
1965			19,938	1,325	3,372	24,635	117,350	24,915	142,265	166,900	164,141		25.568
1966			22,175	798	3,284	26,257	115,601	19,505	135,106	161,363	171,182		19.231
1967			21,235	1,523	3,824	26,582	111,755	41,315	153,070	179,652	169,305		41.815
1968			15,746	865	1,729	18,340	111,600	24,400	136,000	154,340	165,118		16.836
1969			10,063	382	166	10,611	97,400	35,075	132,475	143,086	159,026		17.101
1970			8,916	963	207	10,086	98,200	33,400	131,600	141,686	146,371		21.803
1971			10,915	1,374	130	12,419	105,800	31,000	136,800	149,219	144,664		34.074
1972			4,328	1,047	0	5,375	91,200	28,200	119,400	124,775	138,560		28.835
1973			5,911	2,544	950	9,405	85,500	30,100	115,600	125,005	133,000		35.913
1974			4,977	1,904	470	7,351	96,900	26,400	123,300	130,651	126,810		29.364
1975			6,163	1,507	480	8,150	80,825	34,455	115,280	123,430	126,362		4.596
1976			7,540	1,769	680	9,989	82,783	29,273	112,056	122,045	125,375		36.719
1977			14,111	2,100	0	16,211	86,534	44,222	130,756	146,967	130,814	107,784	35.279
1978			18,100	1,110	560	19,770	106,469	36,648	143,117	162,887	143,966	116,298	31.603
1979			8,078	1,255	10	9,343	87,860	32,210	120,070	129,413	146,422		14.691
1980			7,665	1,015	135	8,815	89,690	47,860	137,550	146,365	146,222	128,204	14.660
1981	3,271		10,107	1,790	540	15,708	160,560	21,200	181,760	197,468	157,749	127,667	25.801
1982			6,451	706	485	7,642	85,105	28,297	113,402	121,044	154,959	180,734	18.553
1983			3,113	718	565	4,396	81,761	23,157	104,918	109,314	142,609	146,945	9.535
1984	1,611		7,097	930	700	10,338	95,170	29,533	124,703	135,041	121,800	147,933	24.049
1985		283	11,793	641	800	13,517	101,405	30,163	131,568	145,085	129,813	120,122	13.689

<sup>a</sup>In British Columbia, totals for 1984-1991 are Christmas Bird Counts, and from 1992-on are from Canadian Wildlife Service counts.

<sup>b</sup>Incomplete survey in Mexico during 1951–1959.

<sup>c</sup>Includes Western High Arctic brant. 3-year average considers most recent 3 years of annual counts.

<sup>d</sup>Izembek index from fall before Mid-winter Waterfowl Survey, includes Western High Arctic brant.

<sup>e</sup>The historical Alaska MWS index was recalculated in 2015, following the recommendation by Wilson and Dau 2015.

Pacific Brant population index, continued.

Year	U.S. and Canada						Mexico <sup>b</sup>			MWS Index		Izembek Index	
	Ak <sup>f</sup>	BC <sup>a</sup>	WA	OR	CA	Subtotal <sup>a</sup>	Baja	Mainland	Subtotal	Annual <sup>c</sup>	3-yr Avg <sup>c</sup>	Annual <sup>d</sup>	% Juv <sup>d</sup>
1986	5,338	319	12,026	1,113	706	19,502	92,525	22,200	114,725	134,227	134,227	122,673	13.731
1987	7,550	205	14,371	1,133	736	23,995	73,825	13,088	86,913	110,908	122,568	116,131	15.306
1988	6,180	263	19,831	1,104	947	28,325	99,066	17,630	116,696	145,021	130,052	136,765	31.163
1989	6,918	484	18,538	871	1,033	27,844	89,600	18,121	107,721	135,565	130,498	123,822	19.249
1990	5,303	406	13,756	1,399	992	21,856	107,545	22,320	129,865	151,721	144,102	135,041	23.870
1991	4,742	591	16,221	1,262	1,340	24,156	88,650	19,905	108,555	132,711	139,999	123,551	19.189
1992	7,043	283	13,505	1,397	2,424	24,652	78,280	14,905	93,185	117,837	134,090	128,784	27.840
1993	8,369	180	13,058	1,254	9,415	32,276	68,280	24,444	92,724	125,000	125,183	119,531	16.523
1994	12,125	382	13,595	666	2,299	29,067	83,130	17,135	100,265	129,332	124,056	143,768	23.626
1995	11,381	363	20,231	708	3,987	36,670	74,060	22,755	96,815	133,485	126,414	142,701	11.613
1996	10,278	634	6,941	644	2,008	20,505	87,280	20,205	107,485	127,990	128,952	150,946	36.110
1997	10,049	500	9,753	669	3,598	24,569	108,018	22,720	130,738	155,307	138,927	118,188	21.712
1998	8,562	619	10,881	580	6,091	26,733	97,805	14,300	112,105	138,838	140,712	130,252	16.948
1999	10,354	985	15,252	645	4,296	31,532	84,965	15,795	100,760	132,292	142,146	116,512	25.665
2000	8,120	1,238	13,859	523	3,389	27,129	92,020	16,420	108,440	135,569	135,566	131,134	21.630
2001	17,790	1,254	10,197	695	4,197	34,133	78,850	13,010	91,860	125,993	131,285	151,216	30.898
2002	13,576	1,483	13,478	552	4,092	33,181	93,995	11,055	105,050	138,231	133,264	112,554	7.475
2003	7,677	1,103	11,455	557	3,124	23,916	74,132	8,094	82,226	106,142	123,455	115,839	20.486
2004	12,756	2,117	14,544	528	6,372	36,317	71,685	13,270	84,955	121,272	121,882	135,944	13.707
2005	12,041	1,020	14,286	609	5,224	33,180	59,960	14,068	74,028	107,208	111,541	134,474	18.192
2006	15,404	1,792	16,305	649	5,069	39,219	87,483	14,254	101,737	140,956	123,145	152,712	33.339
2007	28,533	2,078	12,712	702	7,387	51,412	65,250	13,932	79,182	130,594	126,253	124,189	20.303
2008	27,422	1,264	19,775	370	4,827	53,658	83,856	19,443	103,299	156,957	142,836	140,897	28.204
2009	21,482	2,574	29,243	823	6,392	60,514	no survey conducted <sup>e</sup>		--	--	142,836	130,294	15.276
2010	28,234	2,699	23,908	no survey	13,553	68,394	71,688	23,389	95,077	163,471	150,341	144,594	26.788
2011	42,937	2,414	21,457	no survey	15,610	82,418	61,153	18,897	80,050	162,468	160,965	130,091	20.263
2012	44,252	1,229	17,502	687	2,227	65,897	101,571	9,873	111,444	177,341	167,760	126,028	17.565
2013	41,821	2,204	16,454	200	7,448	68,127	71,607	23,566	95,173	163,300	167,703	154,481	13.825
2014	48,140	2,104	17,485	511	7,916	76,156	68,290	28,869	97,159	173,315	171,319	157,781	15.247
2015	50,316	1,636	10,706	486	4,906	68,050	44,533	23,899	68,432	136,482	157,699	171,635	14.286
2016	46,772	3,364	11,811	583	5,105	67,635	55,066	17,324	72,390	140,025	149,941	160,984	12.896
Averages:													
Long Term	17,768	1,190	17,030	1,862	12,648	39,203	89,329	18,954	108,284	142,234	141,941	134,851	22
3-yr	48,409	2,368	13,334	527	5,976	70,614	55,963	23,364	79,327	149,941	159,653	163,467	14
% Change from:													
Long Term	177.4	200.5	-30.9	-69.0	-59.9	74.1	-38.7	-8.7	-33.5	-1.6	5.7	20.0	-41.4
3-yr	-3.4	42.1	-11.4	10.7	-14.6	-4.2	-1.6	-25.9	-8.7	-6.6	-6.1	-1.5	-8.8
2015	-7.0	105.6	10.3	20.0	4.1	-0.6	23.7	-27.5	5.8	2.6	-4.9	-6.2	-9.7
Objectives:	9,000	8,000	25,000	3,000	10,000	55,000			107,000		162,000		

<sup>a</sup>In British Columbia, totals for 1984–1991 are Christmas Bird Counts, and from 1992–on are from Canadian Wildlife Service counts.

<sup>b</sup>Aerial surveys were not flown (2009, 2011–2012, 2014–2015) in Mexico due to pilot safety concerns. Instead, ground-counts conducted by Palacios and Avila (including 2013).

<sup>c</sup>Includes Western High Arctic brant. 3-year average considers most recent 3 years of annual counts.

<sup>d</sup>Izembek index from fall before Mid-winter Waterfowl Survey, includes Western High Arctic brant, and was updated Fall 2016 after extensive review.

<sup>e</sup>No survey conducted due to pilot survey concerns.

<sup>f</sup>The historical Alaska MWS index was recalculated in 2015, following the recommendation by Wilson and Dau 2015.

Tundra Swan population indices from winter surveys<sup>a</sup> in the Pacific Flyway, 1949–current.

Year	California	Idaho	Montana	Nevada	Oregon	Utah	Washington	Other states	Total	Unidentified swans <sup>b</sup>
1949	15,051	72	0	207	636	5	55	40	16,066	--
1950	12,729	70	0	2,645	668	623	82	12	16,829	--
1951	17,041	119	0	2,821	548	11,145	11	2	31,687	--
1952	17,162	47	0	850	556	360	210	35	19,220	--
1953	20,226	103	0	5,451	1,293	429	168	4	27,674	--
1954	13,773	102	0	7,209	3,275	1,632	206	9	26,206	--
1955	25,397	134	0	5,167	1,907	1,443	675	2	34,725	0
1956	28,679	1	0	1,927	7,464	7,980	196	35	46,282	0
1957	23,263	226	0	13,202	3,979	1,915	332	53	42,970	0
1958	28,322	110	0	10,227	5,755	4,515	1,007	10	49,946	0
1959	20,590	230	1	9,847	4,405	3,464	1,040	23	39,600	0
1960	29,427	156	4	619	3,716	934	606	46	35,508	0
1961	32,232	110	41	455	5,741	1,492	719	38	40,828	0
1962	23,460	208	11	1,068	4,880	1,266	1,443	20	32,356	0
1963	21,820	728	9	1,568	4,375	16,398	1,434	18	46,350	0
1964	27,031	164	5	4,324	6,828	795	1,379	19	40,545	0
1965	25,949	127	6	8,055	4,235	3,624	651	2	42,649	0
1966	18,705	303	2	7,966	4,349	2,379	1,100	0	34,804	1,500
1967	35,907	246	4	5,231	5,823	864	855	16	48,946	0
1968	25,969	27	9	267	7,703	287	1,360	8	35,630	0
1969	66,195	69	22	2,005	3,694	1,394	1,491	9	74,879	0
1970	21,890	200	3	3,758	2,945	1,577	620	7	31,000	0
1971	91,824	143	12	619	4,508	276	1,470	4	98,856	0
1972	74,528	93	16	333	6,204	269	1,402	2	82,847	0
1973	27,628	27	27	99	5,285	191	660	0	33,917	0
1974	61,542	110	13	679	4,951	1,094	1,332	47	69,768	0
1975	45,987	100	39	315	6,451	130	1,850	0	54,872	0
1976	40,675	204	5	2,682	6,067	375	1,342	0	51,350	0
1977	37,920	139	20	1,117	6,418	254	1,401	0	47,269	0
1978	28,960	224	59	405	8,943	4,816	2,190	0	45,597	0
1979	47,730	214	1	205	3,917	33	1,423	0	53,523	0
1980	37,295	82	8	6,240	15,271	4,276	2,037	0	65,209	0
1981	34,945	253	84	5,117	5,292	33,665	4,197	0	83,553	0
1982	79,295	261	14	1,045	4,391	3,402	2,906	0	91,314	0
1983	54,860	112	22	2,791	3,752	5,425	333	7	67,302	112
1984	47,945	184	12	2,372	4,779	5,604	965	12	61,873	0
1985	39,500	101	139	1,575	4,769	69	2,619	26	48,798	493
1986	55,417	121	0	232	6,682	46	3,647	12	66,157	0
1987	30,208	228	3	10,742	9,535	99	1,948	35	52,798	0
1988	50,527	49	155	31	4,738	12	3,661	20	59,193	0
1989	68,482	242	178	92	7,511	38	2,101	29	78,673	0
1990	30,008	278	149	630	7,955	68	939	25	40,052	1,609
1991	38,616	55	1	206	6,436	56	2,248	0	47,618	1,249
1992	45,119	137	277	321	14,571	103	3,209	0	63,737	912
1993	52,632	5	328	284	7,868	202	883	0	62,202	2,816
1994	66,301	56	293	1,266	7,228	1,646	2,616	0	79,406	2,368
1995 <sup>c</sup>	37,096	167	258	2,120	6,779	5,190	1,332	0	52,942	1,939
1996	66,817	148	94	1,573	8,046	16,988	4,398	0	98,064	6,162
1997	93,696	154	2	2,451	14,562	8,445	3,211	0	122,521	8,974
1998	49,521	85	85	4,804	8,699	3,398	3,424	32	70,048	1,971
1999	103,946	110	89	627	9,038	3,151	2,802	14	119,777	2,216
2000	63,026	220	331	5,916	3,409	12,378	4,342	0	89,622	4,967
2001	65,511	174	113	4,584	9,918	2,430	4,597	0	87,327	3,162
2002	47,432	205	240	981	5,157	2,130	2,521	9	58,675	3,669
2003	73,408	178	48	1,339	3,366	18,004	6,393	0	102,736	4,540
2004 <sup>d</sup>	66,581	0	0	1,614	7,113	6,195	1,447	0	82,950	6,523
2005	74,205	384	0	456	3,885	10,366	2,778	0	92,074	8,292
2006	79,412	243	8	2,750	4,306	16,727	3,422	0	106,868	6,067
2007	90,136	615	255	3,835	2,534	8,724	3,548	0	109,647	3,900
2008	80,081	352	64	2,266	1,368	2,041	3,570	1	89,743	5,515
2009	97,859	4	0	1,191	1,307	1,470	3,380	5	105,216	5,856
2010	67,408	28	0	351	3,238	2,455	3,211	0	76,691	3,552
2011 <sup>e</sup>	45,042	0	0	606	477	634	2,544	2	49,305	3,268
2012 <sup>e</sup>	101,351	0	0	1,480	10,081	2,018	2,247	0	117,177	2,443
2013 <sup>e</sup>	72,646	0	0	246	359	417	1,652	0	75,320	5,028
2014	66,674	0	0	125	263	2	1,171	0	68,235	6,587
2015	46,985	16	0	375	376	18,685	1,767	0	68,204	11,563
2016 <sup>e</sup>	-	-	0	-	3,857	6,831	3,654	-	14,342	7,281
Averages:										
Long Term	48,173	150	53	2,596	5,262	4,049	1,892	10	62,145	1,922
Reliable 3-yr	62,102	5	0	249	333	6,368	1,530	0	70,586	7,726
% Change from:										
Long Term	-2.5	-89.5	-100.0	-85.7	-93.0	393.6	-6.7	-100.0	9.9	556.4
Reliable 3-yr	-24.3	200.0	-	50.8	13.0	193.4	15.5	-	-3.4	49.7
2014	-29.5	-	-	200.0	43.0	934150.0	50.9	-	0.0	75.5

<sup>a</sup>From Mid-winter Waterfowl Survey (January) results in all states except California, where December surveys have been conducted since 2013, and Nevada and Utah, where December surveys have been conducted and included since 2015.

<sup>b</sup>Most unidentified swans are counted in Oregon and Washington and are not included in the total Tundra Swan index.

<sup>c</sup>California did not survey the Delta in 1995, and no survey was conducted in 2016.

<sup>d</sup>No surveys were conducted in Idaho and Wyoming (Pacific Flyway portion) and the survey was incomplete in Montana during 2004.

<sup>e</sup>Surveys ceased in Idaho after 2010, and the survey was incomplete in Montana and Oregon during 2011–2013.

Cackling Canada Goose abundance indices from periodic mark-resight studies and a June aerial survey on the Yukon-Kuskokwim Delta (YKD), 1985–current.

Year	Mark-resight	YKD June aerial survey					
		Breeding Birds		Total Birds		Fall Projected <sup>a</sup>	
		Estimate	SE	Estimate	SE	Estimate	SE
1985		10,313	1,378	13,963	1,605	47,793	5,945
1986		10,770	854	13,502	1,013	46,215	4,100
1987		14,367	967	19,921	1,390	68,186	5,749
1988		16,290	1,009	24,467	1,507	83,747	6,505
1989	92,062	21,168	1,330	25,475	1,567	87,197	6,767
1990	94,237	20,330	1,341	31,759	2,166	108,706	9,025
1991	148,628	22,405	1,290	28,843	1,688	98,725	7,429
1992	149,542	28,443	1,697	44,356	2,632	151,824	11,522
1993	184,844	33,781	1,828	45,749	2,534	156,592	11,406
1994	198,558	41,200	2,135	65,021	3,181	222,557	15,142
1995	202,969	49,354	2,872	69,888	3,756	239,216	17,126
1996	193,531	39,543	2,371	74,574	4,008	255,255	18,274
1997	256,715	49,254	2,570	88,018	4,359	301,272	20,629
1998	215,644	46,372	2,896	64,601	3,701	221,119	16,428
1999	306,065	49,556	2,401	72,173	3,509	247,037	16,754
2000	273,108	52,855	2,428	74,992	3,352	256,686	16,700
2001	206,249	49,665	2,451	75,620	3,734	258,835	17,696
2002	177,794	41,982	2,033	50,187	2,487	171,782	11,766
2003	251,594	40,993	2,058	69,867	3,482	239,144	16,429
2004		40,848	2,219	51,390	2,691	175,900	12,411
2005		44,018	2,220	65,484	3,091	224,141	14,975
2006		47,500	2,293	71,985	3,291	246,393	16,204
2007		51,194	2,345	74,152	3,138	253,811	16,103
2008		52,368	2,444	84,699	3,517	289,911	18,240
2009		52,368	2,328	67,434	2,909	230,816	14,771
2010		50,232	2,200	82,192	4,755	281,330	21,024
2011	242,467	42,361	1,796	53,799	2,137	184,146	11,369
2012	272,493	51,729	2,349	60,395	2,663	206,723	13,364
2013	259,323	67,328	3,512	93,200	5,202	319,009	23,339
2014		55,733	2,736	83,970	4,225	287,416	19,846
2015		55,937	2,732	101,408	6,144	347,104	26,683
2016		77,979	3,520	95,667	4,191	327,453	21,104
Averages:							
Long Term		41,507	2,144	60,586	3,113	207,376	14,526
3-yr		63,216	3,019	93,682	4,938	320,658	22,739
% Change from:							
Long Term		93.3	67.7	60.9	36.1	60.9	47.4
3-yr		23.4	17.5	2.1	-13.6	2.1	-6.4
2015		39.4	28.8	-5.7	-31.8	-5.7	-20.9

<sup>a</sup>The fall estimate was derived by total birds multiplied by a correction factor of 3.422843. The correction factor was derived from the comparison of all mark-resight data vs. total birds.



Dusky Canada Goose abundance indices based on aerial survey data corrected for visibility bias, 1986–current.

Year	Copper River Delta										
	Total		Breeding		Flocked		Adjusted <sup>1</sup>		Middleton Island Adults	Total	
	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE		Estimate	SE
1986	5,469	356	4,811	389	658	161	16,735	2,041	80	16,815	2,041
1987	5,408	504	4,294	409	1,114	273	15,463	1,975	84	15,547	1,975
1988	5,296	364	4,412	325	884	217	15,627	1,813	90	15,717	1,813
1989	6,582	565	4,463	369	2,119	519	17,033	1,975	75	17,108	1,975
1990	5,442	669	4,482	457	960	235	15,937	2,127	93	16,030	2,127
1991	3,773	437	2,861	356	912	223	10,472	1,530	249	10,721	1,530
1992	6,648	835	4,472	284	2,176	533	17,120	1,816	473	17,593	1,816
1993	6,334	495	4,096	265	2,238	548	15,925	1,690	473	16,398	1,690
1994	5,810	432	4,226	253	1,584	388	15,706	1,659	473	16,179	1,659
1995	3,685	323	3,357	250	328	89	11,546	1,378	473	12,019	1,378
1996	3,509	267	2,936	190	573	148	10,384	1,156	1,456	11,840	1,156
1997	4,208	271	3,379	176	829	239	12,120	1,268	1,168	13,288	1,268
1998	4,814	350	3,571	203	1,243	242	13,176	1,366	1,168	14,344	1,366
1999	3,068	224	2,599	174	469	106	9,154	1,031	1,168	10,322	1,031
2000	3,009	184	2,477	128	532	121	8,809	919	1,309	10,118	919
2001	3,157	202	2,788	181	369	82	9,685	1,093	1,309	10,994	1,093
2002	3,836	294	2,966	173	870	198	10,781	1,141	1,416	12,197	1,141
2003	3,083	222	2,215	129	868	131	8,270	849	1,416	9,686	849
2004	3,198	235	2,712	190	486	114	9,548	1,093	1,499	11,047	1,093
2005	5,050	614	3,986	418	1,064	329	14,384	1,936	1,499	15,883	1,936
2006	3,412	326	3,006	301	406	149	10,451	1,412	1,453	11,904	1,412
2007	2,848	188	2,456	157	392	67	8,599	958	1,453	10,052	958
2008	2,512	192	2,222	167	290	70	7,715	916	1,317	9,032	916
2009	1,768	165	1,513	103	255	98	5,311	608	1,317	6,628	608
2010	2,714	193	2,324	131	390	99	8,156	878	1,249	9,405	878
2011	3,736	326	2,845	202	891	183	10,398	1,160	1,249	11,647	1,160
2012	4,093	365	3,498	270	595	119	12,284	1,457	1,188	13,472	1,457
2013 <sup>2</sup>											
2014	5,054	435	3,649	256	1,404	311	13,598	1,496	1,780	15,378	1,496
2015	6,082	513	4,201	280	1,881	391	15,919	1,669	1,780	17,699	1,669
2016	4,062	296	3,476	263	586	101	12,201		1,029	13,230	1,436
Averages:											
Long Term	4,255	361	3,343	248	912	216	12,084	1,393	993	13,076	1,395
3-yr	5,066	424	3,775	267	1,290	294	13,906	1,294	1,530	15,436	1,537
% Change from:											
Long Term	-4.7	-18.6	4.1	6.1	-36.5	-54.1	1.0	-100.0	3.8	1.2	3.1
3-yr	-19.8	-30.2	-7.9	-1.3	-54.6	-65.7	-12.3	-100.0	-32.7	-14.3	-6.6
2015	-33.2	-42.3	-17.3	-6.1	-68.8	-74.2	-23.4	-100.0	-42.2	-25.3	-14.0

<sup>1</sup>Represents the Copper River Delta Breeding geese multiplied by a visibility correction factor of 3.3416, plus Flocked geese.

<sup>2</sup>No survey conducted.

Aleutian Canada Goose abundance indices from direct count and mark-resight methods, 1975–current.

Year	Estimate	SE	L95% C.I.	U95% C.I.	Method
1975	790				Direct count
1976	900				Direct count
1977	1,280				Direct count
1978	1,500				Direct count
1979	1,590				Direct count
1980	1,740				Direct count
1981	2,000				Direct count
1982	2,700				Direct count
1983	3,500				Direct count
1984	3,800				Direct count
1985	4,200				Direct count
1986	4,300				Direct count
1987	5,000				Direct count
1988	5,400				Direct count
1989	5,800				Direct count
1990	6,300				Direct count
1991	7,000				Direct count
1992	7,680				Direct count
1993	11,680				Direct count
1994	15,700				Direct count
1995	19,150				Direct count
1996 <sup>ai</sup>	21,420				Direct count
1997 <sup>a</sup>	22,800				Direct count
1998 <sup>ai</sup>	27,600				Direct count
1999 <sup>ai</sup>	15,417	556	14,326	16,508	Mark-resight
2000 <sup>ai</sup>	20,352	761	18,861	21,843	Mark-resight
2001 <sup>a</sup>	32,408	1,069	30,313	34,503	Mark-resight
1999	35,508	3,118	29,396	41,619	Mark-resight
2000	34,245	1,346	31,607	36,882	Mark-resight
2001 <sup>b</sup>					
2002 <sup>b</sup>					
2003	72,750	2,705	67,448	78,051	Mark-resight
2004	108,505	4,642	99,407	117,604	Mark-resight
2005	87,091	4,553	78,167	96,014	Mark-resight
2006	100,030	4,525	91,161	108,898	Mark-resight
2007	107,467	7,559	92,650	122,283	Mark-resight
2008	110,950	6,661	97,894	124,006	Mark-resight
2009	83,589	11,798	60,465	106,712	Mark-resight
2010	107,439	8,568	90,646	124,231	Mark-resight
2011	101,435	6,979	87,756	115,114	Mark-resight
2012	132,526	10,052	112,823	152,229	Mark-resight
2013	161,137	14,530	132,657	189,616	Mark-resight
2014	147,609	12,905	122,316	172,903	Mark-resight
2015	189,110	17,925	153,977	224,243	Mark-resight
2016	156,030	13,711	129,157	182,904	Mark-resight
Averages:					
Long Term	46,219	7,051	81,107	108,745	
3-yr	164,250	15,009	135,833	194,623	
% Change from:					
Long Term	257.8	105.2	64.7	74.8	
3-yr	-5.0	-8.6	-4.9	-6.0	
2015	-17.5	-23.5	-16.1	-18.4	

<sup>a</sup>Methods overlapped by three years.

<sup>b</sup>There is no estimate for 2001 and 2002 because of insufficient data.

**Pacific White-fronted Goose abundance indices from breeding pair surveys in Alaska (Yukon-Kuskokwim Delta Coastal Zone Survey and Alaska-Yukon Waterfowl Breeding Population and Habitat Survey) and fall counts in California, 1979–current.**

Year	Yukon-Kuskokwim		Bristol Bay	Total	Projected fall population <sup>b</sup>	Fall Survey <sup>a</sup>
	Delta	Interior				
1979						73,100
1980						93,500
1981						116,500
1982						91,700
1983						112,900
1984						100,200
1985	18,914	12,082	5,050	36,046	163,249	93,900
1986	13,400	10,019	4,266	27,685	141,930	107,100
1987	15,717	7,564	3,657	26,938	140,026	130,600
1988	27,191	14,145	3,918	45,254	186,728	124,690
1989	28,004	16,307	5,398	49,709	198,087	263,350
1990	37,836	18,468	2,003	58,307	220,010	237,050
1991	31,286	13,262	4,527	49,075	196,470	215,655
1992	34,671	16,110	7,052	57,833	218,802	230,675
1993	39,748	22,790	1,306	63,844	234,128	253,820
1994	56,513	12,966	4,092	73,571	258,930	298,930
1995	77,710	10,215	2,612	90,537	302,190	251,970
1996	78,032	36,543	4,353	118,928	374,582	350,850
1997	83,215	30,452	3,657	117,324	370,492	318,954
1998	87,881	34,381	1,915	124,177	387,966	413,100
1999	95,040	27,800	3,483	126,323	393,437	285,514
2000	91,911	16,798	1,654	110,363	352,743	284,044
2001	113,603	24,460	6,095	144,158	438,913	337,848
2002	90,407	17,387	5,311	113,105	359,734	402,565
2003	117,951	17,387	2,177	137,515	421,975	424,900
2004	100,622	16,601	1,828	119,051	374,895	337,971
2005	121,017	18,566	6,530	146,113	443,898	508,890
2006	138,067	28,979	4,702	171,748	509,262	426,300
2007	178,515	28,488	2,177	209,180	604,706	476,009
2008	161,979	54,913	1,045	217,937	627,035	602,699
2009	144,678	32,712	5,137	182,527	536,746	457,802
2010	174,556	44,402	7,923	226,881	649,840	783,648
2011	168,925	33,989	6,095	209,009	604,270	646,501
2012	181,519	47,250	3,744	232,513	664,201	831,955
2013	164,399	29,568	5,485	199,452	579,902	No Survey
2014	205,081	16,503	348	221,932	637,221	663,257
2015	140,313	18,468	1,132	159,913	479,085	634,478
2016	206,503	31,042	3,309	240,854	685,469	
Averages:						
Long Term	100,788	23,769	3,812	128,369	398,654	332,859
3-yr	183,966	22,004	1,596	207,566	600,592	709,897
% Change from:						
Long Term	104.9	30.6	-13.2	87.6	71.9	
3-yr	12.3	41.1	107.3	16.0	14.1	
2015	47.2	68.1	192.3	50.6	43.1	

<sup>a</sup>Fall surveys were initiated in 1979 and guided management actions until 1998. Management actions after 1998 were based on total indicated birds (AK Total) from the breeding ground survey and a factor derived from the historic relationship between the fall survey and breeding ground survey (1985–1998). Timing of the Fall survey is as follows: 1979–1988 (November) and 1989–2015 (October).

<sup>b</sup>Projected fall population = (Alaska total \* 2.5498) + 71,339.

White Goose (Snow Goose and Ross's Goose) abundance indices from the California Special white goose survey and Skagit-Fraser photo inventory conducted in December, 1979–current, and the Oregon Winter light goose and tundra swan survey, conducted in January, 2016–current.

Year	Skagit-Fraser	Oregon	California	Total
1979	35,600		492,500	528,100
1980	22,400		181,800	204,200
1981	48,600		711,300	759,900
1982	26,100		328,000	354,100
1983	24,500		523,100	547,600
1984	26,600		439,700	466,300
1985	46,200		503,600	549,800
1986	39,900		481,800	521,700
1987	47,700		477,600	525,300
1988	43,800		397,200	441,000
1989	32,200		431,700	463,900
1990	31,700		676,800	708,500
1991	39,100		651,000	690,100
1992	34,300		605,000	639,300
1993	49,100		520,100	569,200
1994	42,600		435,600	478,200
1995	37,000		464,400	501,400
1996	45,800		320,500	366,300
1997	47,000		369,400	416,400
1998	47,100		307,200	354,300
1999	28,600		550,400	579,000
2000	56,300		600,500	656,800
2001	52,000		396,200	448,200
2002	73,100		523,700	596,800
2003	66,800		521,000	587,800
2004	68,141		682,128	750,269
2005	80,040		630,686	710,726
2006	79,891		719,810	799,701
2007	94,859		978,622	1,073,481
2008	57,000		900,403	957,403
2009	73,964		827,055	901,019
2010	63,641		800,156	863,797
2011	69,964		1,027,887	1,097,851
2012	56,973		824,432	881,405
2013	75,313		1,275,890	1,351,203
2014	58,007		1,122,679	1,180,686
2015 <sup>1</sup>	66,501	19,866		86,367
Averages:				
Long Term	51,038	19,866	602,774	638,057
3-yr	66,607	19,866	1,199,285	872,752
% Change from:				
Long Term	31.4		-100.0	-86.8
3-yr	-0.2		-100.0	-90.1
2014	14.6		-100.0	-92.7

<sup>1</sup>The California Special White Goose Survey was not conducted.

Snow Goose population and productivity indices from Wrangel Island, Russia, 1966–current.

Year	Population			Nesting			Brood Size		Colony Size (ha)	
	Adults	Breeding adults	% Juvenile	Total spring	Nests	% Successful	Clutch Size	At Nesting colony		At brood rearing area
1966							3.6			
1967							4.9			
1968										
1969		114,000			58,200		3.7			1,962
1970	120,000	120,000	20.0	150,000	60,000	96.0	3.7	3.5	2.5	2,600
1971	120,000	24,000	9.1	132,000	12,000	55.0	4.7	3.4	2.3	825
1972	106,000	36,000	0.6	107,000	18,000	45.0	4.2	3.5	2.3	950
1973	85,900	12,000	0.0	86,000	6,000	67.0	6.0	3.9		200
1974	69,500	32,000	0.7	70,000	15,000	0.0	4.7			800
1975	56,000	56,000	0.0	56,000	28,000	74.4	3.8	3.4	2.4	
1976	46,000	46,000	20.7	58,000	23,000	79.0	3.7	3.2	2.8	1,840
1977	57,200	10,000	16.1	68,200	5,000	76.8	5.0	3.7		400
1978	64,900	42,000	0.8	65,400	21,000	80.0	4.2	3.7	2.4	2,200
1979	62,100	60,000	26.5	84,500	30,000	90.0	3.8	3.6		1,860
1980	80,300	20,000	11.5	90,700	10,000	70.0	5.4	3.3		315
1981	86,200	78,000	3.2	89,000	39,000	95.0	4.0	3.7	3.1	2,118
1982	81,000	28,000	18.5	100,000	14,000	65.0	4.1	3.2	2.8	688
1983	92,800	3,400	2.4	95,000	1,700	5.9	4.8			125
1984	85,000	42,000	0.0	85,000	21,000	83.3	3.7	3.2	2.1	1,500
1985	80,000	50,000	5.4	85,000	25,000	87.7	3.7	3.2	2.4	1,457
1986	70,000	58,000	20.4	90,000	29,000	90.0	3.9	3.6	3.2	2,100
1987	85,000	47,000	15.0	100,000	23,500	80.0	3.7	3.4	2.8	1,900
1988	80,000	13,000	17.7	80,000	6,500	51.0	5.2	3.4	2.7	675
1989	70,000	60,000	1.4	70,000	30,000	60.0	3.8	3.3		1,025
1990	60,000	53,000	0.0	60,000	26,500	49.2	3.8	3.2	2.2	940
1991	56,000	41,600	6.6	60,000	20,800	82.0	4.1	3.4	2.7	888
1992	56,000	46,200	20.0	70,000	23,100	70.1	4.0	3.5	3.5	742
1993	64,500	52,200	0.8	65,000	26,100	85.1	3.9	3.2		910
1994	52,500	30,000	25.0	70,000	15,000	13.0	2.8	2.1		1,000
1995	64,000	8,800	0.8	65,000	4,400	50.0	4.7	2.8		430
1996	75,000	75,400	0.0	75,000	37,700	75.4	3.7	3.7	2.4	740
1997	70,000	55,200	15.0	85,000	22,600	71.2	4.0	3.5		628
1998	80,000	31,800	10.0	90,000	15,900	66.0	4.6	3.5		750
1999	85,000	20,800	5.6	90,000	10,400	75.0	4.7	3.3		278
2000	87,400	49,600	8.0	95,000	24,800	87.8	3.5	3.2	2.8	738
2001	92,400	48,000	12.0	105,000	24,000	87.0	3.6	3.2	2.3	900
2002		60,600		110,000	30,300	81.5	4.0	3.5	3.0	855
2003		55,000		115,000	27,500	77.5			2.2	900
2004	111,700	56,800	4.9	117,500	28,400	75.0	3.6	3.2		838
2005		95,800		117,500	47,900	82.3	4.2	3.7	3.3	900
2006	100,800	93,200	23.9	132,500	46,600	87.7	4.0	3.7	3.2	875
2007		79,000		140,000	39,500	84.4	4.0	3.5	3.1	1,100
2008		20,000		140,000	10,000	35.0				
2009		108,800		132,500	54,400	79.5	4.1	3.6		
2010		10,000		150,000	5,000					
2011		144,000	5.0	155,000	72,000	81.0	4.2	3.7		
2012 <sup>a</sup>										
2013				160,000	78,300	75.8	3.7	3.2	2.7	1,063
2014 <sup>a</sup>										
2015	228,500	215,600	4.8	240,000	107,800	89.1	4.0	3.7		2,680
2016	251,000	236,000	20.0	300,000	118,000	89.5	3.9	3.7		3,240
Averages:										
Long Term	87,019	58,640	9.5	104,484	30,280	70.5	4.1	3.4	2.7	1,145
3-yr	193,433	198,533	9.9	233,333	101,367	84.8	3.9	3.5	3.0	2,328
% Change from:										
Long Term	204.9	332.2	116.6	199.9	316.5	27.8	-5.7	8.8	-	196.6
3-yr	70.7	91.6	78.0	62.2	37.2	9.2	-1.5	4.3	-	73.1
2015	9.8	9.5	316.7	25.0	9.5	0.4	-2.5	0.0	-	20.9

<sup>a</sup>Data were not gathered in 2012 or 2014.

Spring emperor goose survey results, southwest Alaska, 1981–2012, 2014–2016.

Year	Total	Dates	Observers	Survey area
1981	91,267	4/23-4/27	R.King/R.Gill/J.Sarvis/C.Dau	Y-K Delta to Wide Bay
1982	100,643	5/2-5/4	R.King/C.Dau/M.Reardon/ B. Reiswig	Kuskokwim Bay to Wide Bay
1983	79,155	4/25-4/29	R.King/C.Dau/V.Berns/ J.Solberg	Kuskokwim Bay to Wide Bay
1984	71,217	4/26-5/4	R.King/C.Dau/V.Berns/ R.Arment	Kuskokwim Bay to Cape Douglas
1985	58,833	5/12-5/16	R.King/C.Dau	Kuskokwim Bay to Cape Chiniak
1986	42,231	5/4-5/7	"	Nelson Island to Cape Atushagvik
1987	51,633	4/30-5/4	"	Hooper Bay to Puale Bay
1988	53,784	5/2-5/6	"	Hooper Bay to Cape Chiniak
1989	45,800	5/3-5/6	"	Hooper Bay to Portage Bay
1990	67,581	4/28-5/4	"	Hooper Bay to Portage Bay
1991	70,972	5/2-5/7	"	Hooper Bay to Puale Bay
1992	71,319	4/30-5/5	"	Hooper Bay to Cape Kubugakli
1993	52,546	4/30-5/5	"	Hooper Bay to Wide Bay
1994	57,267	4/29, 5/2-6	"	Hooper Bay to Wide Bay
1995	54,852	5/3-5/6	"	Hooper Bay to Chignik Lagoon
1996	80,034	4/27-4/30	"	Hooper Bay to Puale Bay
1997	57,059	4/25-4/28	"	Hooper Bay to Wide Bay
1998	39,749	5/4-5/7	"	Hooper Bay to Wide Bay
1999	54,600	4/27-5/1	"	Hooper Bay to Wide Bay
2000	62,565	4/28-5/3	E.Mallek/C.Dau	Hooper Bay to Chignik Lagoon
2001	84,396	4/29-5/4	"	Hooper Bay to Puale Bay
2002	58,743	5/3-5/6	"	Kuskokwim Bay to Wide Bay
2003	71,160	4/29-5/3	"	Hooper Bay to Wide Bay
2004	47,352	4/30-5/3	"	Hooper Bay to Wide Bay
2005	53,965	4/20-4/23	"	Kuskokwim Bay to Wide Bay
2006	76,108	4/27-5/2	"	Kuskokwim Bay to Wide Bay
2007	77,541	4/24-4/29	"	Kuskokwim Bay to Kuiukta Bay
2008	64,944	4/29-4/30	"	Naknek to Bechevin Bay
2009	91,948	5/1-5/3	"	Kuskokwim Bay to Wide Bay
2010	64,562	4/27, 5/1-5/2	"	Kuskokwim Bay to Canoe Bay
2011	74,166	4/27, 4/29-5/1	"	Kuskokwim Bay to Canoe Bay
2012	67,588	4/25-4/27	"	Kuskokwim Bay to Wide Bay
2013 <sup>a</sup>				
2014	79,883	4/23-25, 4/29	H.Wilson/C.Dau	Kuskokwim Bay to Wide Bay
2015	98,155	4/25-4/28	"	Kuskokwim Bay to Wide Bay
2016	79,348	4/22-4/24	H.Wilson/D.Marks	Naknek to Bechevin Bay
Averages:				
Long Term	67,228			
3-yr	85,795			
% Change from:				
Long Term	18.7			
3-yr	-7.5			
2015	-19.2			

<sup>a</sup>No survey conducted.

Pair and total breeding population indices for Emperor Goose, Black Brant, Taverner's Canada Goose, Sandhill Crane, and Tundra Swan on the Yukon-Kuskokwim Delta Coastal Zone, 1985–current.

Year	Emperor Goose			Black Brant			Taverner's Canada Goose			Sandhill Crane			Tundra Swan		
	Pairs <sup>a</sup>	SE	Total <sup>b</sup>	Pairs <sup>a</sup>	SE	Total <sup>b</sup>	Pairs <sup>a</sup>	Total <sup>b</sup>	Pairs <sup>a</sup>	Total <sup>b</sup>	Pairs <sup>a</sup>	Total <sup>b</sup>	Pairs <sup>a</sup>	Total <sup>b</sup>	Nests <sup>c</sup>
1985	9,542	852	19,805	1,180	1,960	5,164	4,285	5,517	13,664	30,874	2,471	3,093			
1986	7,413	611	12,430	2,030	1,008	14,007	3,782	5,150	14,093	24,299	2,177	3,159			
1987	9,312	746	13,035	4,652	1,121	14,893	3,187	4,059	14,246	15,079	2,459	2,802			
1988	8,695	829	16,392	3,840	1,402	22,713	5,191	9,217	12,777	16,549	3,115	2,442			
1989	10,737	791	16,855	4,220	1,220	26,231	7,142	8,865	13,247	16,719	3,009	2,818			
1990	9,282	787	17,347	2,989	1,401	28,820	6,498	7,819	14,228	18,310	3,086	3,975			
1991	7,758	590	14,888	4,528	1,284	27,151	5,454	8,063	14,358	20,601	4,034	4,964			
1992	9,879	686	15,416	6,144	1,230	20,026	5,089	8,698	13,394	17,185	4,601	4,494			
1993	10,183	787	17,147	4,446	1,059	32,004	6,519	8,643	16,012	19,312	3,147	5,713			
1994	12,007	712	18,733	5,764	1,072	31,278	5,536	7,017	13,832	16,548	5,301	4,646			
1995	12,892	806	18,764	5,858	1,072	34,401	5,780	6,475	16,906	18,182	3,360	4,224			
1996	12,433	604	24,413	5,620	2,476	29,503	3,856	6,644	10,220	16,430	2,721	3,649			
1997	12,820	741	23,287	6,818	1,451	30,738	4,466	6,630	11,446	13,530	2,883	4,074			
1998	15,686	1,136	21,741	8,252	1,541	22,127	6,607	8,446	17,859	24,458	4,964	4,964			
1999	16,208	1,285	21,406	9,492	1,591	22,520	7,532	12,532	16,236	18,612	4,601	4,964			
2000	12,798	680	18,667	8,402	949	26,381	8,232	10,384	15,886	18,144	4,494	4,964			
2001	17,112	926	27,297	5,686	1,473	31,242	6,063	7,701	14,923	16,211	3,147	5,713			
2002	15,646	1,215	19,504	9,208	1,326	20,396	5,145	6,204	12,605	13,076	5,301	4,646			
2003	12,141	869	21,378	3,588	1,746	20,621	5,426	8,043	12,014	14,608	2,709	3,360			
2004	14,410	848	21,396	7,641	1,097	19,238	4,580	7,755	12,778	15,298	4,224	4,074			
2005	14,490	817	19,798	5,634	1,190	20,560	3,942	6,385	11,468	14,464	3,360	4,224			
2006	17,460	936	26,562	1,697	1,038	19,495	6,523	9,355	12,778	15,298	4,224	4,074			
2007	14,562	1,004	24,362	8,937	1,508	19,191	3,800	7,042	12,599	13,138	3,649	4,074			
2008	16,110	724	22,100	13,132	1,038	29,166	5,663	10,209	12,944	14,882	3,649	4,074			
2009	13,563	646	20,684	8,847	1,092	23,033	4,245	7,610	13,207	16,188	3,808	4,678			
2010	14,103	781	20,167	8,595	1,199	23,897	6,942	8,981	17,087	18,926	4,678	5,974			
2011	14,730	828	21,223	12,375	1,284	16,156	4,543	5,952	12,264	13,138	4,275	5,974			
2012	17,207	1,307	20,388	17,541	1,554	21,912	6,680	8,980	16,916	18,990	4,275	5,974			
2013	19,372	1,326	29,840	13,104	2,222	24,048	4,073	9,283	12,771	13,830	3,643	4,965			
2014	16,188	1,132	32,550	4,040	2,973	28,283	9,183	13,115	13,220	14,925	3,448	4,965			
2015	14,647	832	26,235	3,844	1,581	19,753	6,779	10,864	10,500	12,282	3,448	4,965			
2016	27,051	1,341	34,109	13,460	2,490	29,986	6,422	8,255	17,764	22,887	5,081	5,081			
Averages:															
Long Term	13,639	880	21,185	7,223	1,476	23,592	5,599	8,122	13,816	16,543	3,853	4,498			
3-yr	19,295	1,121	30,965	7,115	2,418	26,007	7,461	10,745	13,828	16,698	4,498	4,498			
% Change from:															
Long Term	104.8	54.9	64.2	91.7	72.5	28.2	15.2	1.7	29.9	40.2	15.4	33.3			
3-yr	61.6	19.6	15.5	92.4	3.0	24.8	-3.8	-25.5	46.0	67.3	33.8	26.4			
2015	84.7	61.2	30.0	250.2	57.5	51.8	-5.3	-24.0	69.2	86.3	35.9	47.4			

<sup>a</sup>Pairs = 2 x (singles + pairs)

<sup>b</sup>Total = 2 x (singles + pairs) + birds in flocks

<sup>c</sup>Nests = number of active nest observations

### Rocky Mountain Population of Sandhill Crane population status and harvest allocation.

Year	Fall Population Index	3-yr Average	Proportion Fledglings (3-Yr. Avg.)	Fledglings (3-Yr. Avg.)	Allowable Harvest	State allocation of allowable harvest <sup>a,b</sup>										Total									
						Idaho	Montana	Wyoming	Utah	Colorado	Arizona	New Mexico	Mexico												
1972			0.1160																						
1973			0.1200																						
1974			0.0940																						
1975			0.0960	0.1033																					
1976			0.0940	0.0947																					
1977			0.0720	0.0873																					
1978			0.1040	0.0900																					
1979			0.1010	0.0923																					
1980			0.0950	0.1000	-																				
1981			0.0760	0.0907	-																				
1982			0.0880	0.0863	-																				
1983			0.1160	0.0933	-																				
1984			0.0810	0.0950	-																				
1985			0.0900	0.0957	-																				
1986			0.0580	0.0763	-																				
1987			0.0540	0.0673	-																				
1988			0.0340	0.0487	-																				
1989			0.0410	0.0430	-																				
1990			0.0650	0.0467	-																				
1991			0.0530	0.0530	-																				
1992			0.0520	0.0567	-																				
1993	19,304		0.0610	0.0553	-																				
1994			0.0390	0.0507	-																				
1995	16,028		0.0640	0.0547	513																				
1996	16,938		0.0940	0.0657	591																				
1997	18,036		0.0970	0.0850	693																				
1998	18,102	17,001	0.1120	0.1010	966																				
1999	18,501	18,546	0.0840	0.0977	1,128																				
2000	19,990	19,198	0.0670	0.0877	1,163																				
2001	16,559	18,683	0.0580	0.0697	829																				
2002	18,803	18,451	0.0520	0.0590	668																				
2003	19,523	18,295	0.0710	0.0603	660																				
2004	18,510	18,945	0.0940	0.0723	910																				
2005	20,865	19,633	0.1080	0.0910	1,320																				
2006	3,269	19,633	0.0990	0.1003	1,456																				
2007 <sup>c</sup>	22,822	20,732	0.0830	0.0967	1,744																				
2008	21,156	21,614	0.0910	0.0910	1,940																				
2009	20,321	21,433	0.1150	0.0963	1,985																				
2010	21,064	20,847	0.0835	0.0965	1,780																				
2011	17,494	19,626	0.0655	0.0880	1,275																				
2012	15,417	17,992	0.0779	0.0756	774																				
2013	20,360	17,757	0.0658	0.0697	677																				
2014	19,668	18,482	0.1031	0.0823	937																				
2015	24,330	21,453	0.1134	0.0941	1,946																				

<sup>a</sup>State allocation of allowable harvest describes the following year's allocation.

<sup>b</sup>Historical total allocation may differ from model-calculated allowable harvest.

<sup>c</sup>Survey not flown due to mechanical problems.



Status and objectives for Pacific Flyway goose populations.

Population	Recent Index		3-year Average		Management		Status Relative to Objective (%)	
	Estimate	Year	Estimate	Years	Index	Objective	Objective	Objective (%)
Aleutian Canada Geese	156,030	2016	164,250	2014-2016	3-year	60,000	60,000	174%
Cackling Canada Geese	327,453	2016	320,658	2014-2016	3-year	250,000	250,000	28%
Dusky Canada Geese	13,230	2016	15,436	2014-2016	3-year	20,000	20,000	-23%
Pacific Population of Lesser Canada Geese	6,623	2016	4,319	2014-2016	N/A	None	None	N/A
Taverner's Canada Geese	48,391	2016	42,514	2014-2016	N/A	None	None	N/A
Vancouver Canada Geese	-----	-----	No Data-----	-----	N/A	None	None	N/A
Pacific Population of Western Canada Geese	247,037	2016	221,360	2014-2016	N/A	None	None	N/A
Rocky Mountain Population of Western Canada Geese	274,501	2016	192,795	2014-2016	3-year	117,000	117,000	65%
Pacific Population of Greater White-fronted Geese	685,469	2016	600,592	2014-2016	3-year	300,000	300,000	100%
Tule Greater White-fronted Geese	7,253	2016	9,763	2012, 2013, 2015	3-year	10,000	10,000	-2%
Western Arctic Population of Lesser Snow Geese	419,800	2013	386,034	2007, 2009, 2013	1-year	200,000	200,000	110%
Wrangel Island Population of Lesser Snow Geese	300,000	2016	233,333	2013, 2015, 2016	3-year	120,000	120,000	94%
Ross's Geese	625,100	2015	608,067	2013-2015	3-year	100,000	100,000	508%
Emperor Geese	79,348	2016	85,795	2014-2016	3-year	150,000	150,000	-43%
Pacific Population of Brant	140,025	2016	149,941	2014-2016	3-year	162,000	162,000	-7%

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