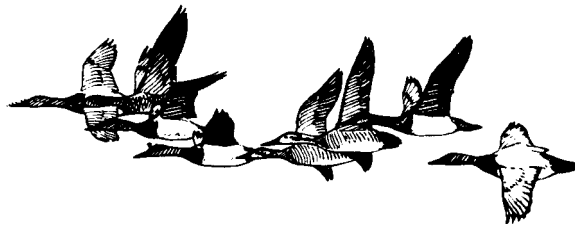


# Pacific Flyway Data Book 2022

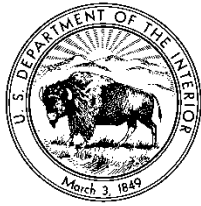


## Migratory Bird Abundance, Harvest, and Hunter Activity

*Compiled by:*

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Division of Migratory Bird Management  
Helena, Montana**

**November 15, 2022 (revised 11/29/22)**



# United States Department of the Interior

FISH AND WILDLIFE SERVICE  
Division of Migratory Bird Management  
585 Shephard Way  
Helena, MT 59601



## MEMORANDUM

TO: Pacific Flyway Council and Study Committee

FROM: Todd A. Sanders, Pacific Flyway Representative

DATE: November 15, 2022

SUBJECT: Pacific Flyway Data Book 2022

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 abundance, harvest, and hunter activity 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 activity estimates from the Migratory Bird Harvest Information Program are final only for the 1999 through 2002 hunting seasons. Harvest estimates after the 2002 hunting season are preliminary.

Some migratory bird surveys were not conducted in 2020 and 2021 because of the coronavirus pandemic. Consequently, some tables are missing data from these years as a result of no survey being conducted.

Please note that abundance estimates are indices to abundance and not absolute population size. Abundance indices are either counts or estimates of a proportion of a population. The indices provide a measure of the relative abundance of a population over time or relative to an objective.

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Other harvest data available online:

Estimates of Migratory Bird Subsistence Harvest in Alaska:  
<https://www.alaskamigratorybirds.com/>

Estimates of Migratory Bird Harvest and Hunter Activity in Canada:  
<https://www.canada.ca/en/environment-climate-change/services/bird-surveys/waterfowl/national-harvest.html>

The Pacific Flyway Data Book contains annual estimates of migratory bird abundance, harvest, and hunter activity. Due to the large volume of data and the number of years, species, and geographic areas involved, data tables may be large and complex. Readers that may need help reading and interpreting the data, or that may need data presented in an alternative format to facilitate reading and interpretation, should contact the U.S. Fish and Wildlife Service's Pacific Flyway Representatives office (todd\_sanders@fws.gov, or steven\_olson@fws.gov).

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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/Management Plan	Approvals	Keeper of the Plan	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Council, SC, and NTC Chair			AZ	OR	CA	MT	AK	CO	WY	UT	NV	ID	WA
SRC Consultants:													
Coastal			OR	OR	AK	AK	AK	AK	CA	CA	CA	CA	WA
Inland			ID	ID	ID	ID	NV	NV	NV	NV	MT	MT	MT
NFC Representative			OR	OR	ID	ID	AK	AK	NV	NV	CA	CA	MT
Geese:													
Aleutian Cackling	Jul 99, Jul 06	CA	WA	WA	OR	OR	R-7	R-7	CA	CA	R-1	R-1	AK
Cackling (minima) Cackling	Jul 86, Jul 99, Sep 16	WA	AK	AK	R-7	R-7	R-1	R-1	WA	WA	OR	OR	CA
Dusky Canada	Jul 85, Jul 92, Aug 97, Mar 08, Jul 15	R-1	WA	WA	R-7	R-7	OR	OR	R-1	R-1	WA	WA	R-7
Lesser Canada (Tav/Parv)	Drafts 80, Jul 94	WA	R-7	R-7	OR	OR	MT	MT	WA	WA	ID	NV	NV
Vancouver Canada	Draft Sep 79	AK											
Pacific Canada	Jun 89, Jul 00	NV	CO	CO	WY	WY	ID	ID	MT	MT	UT	UT	AZ
Rocky Mountain Canada	Mar 83, Mar 92, Jul 01												
Pacific White-fronted	Mar 87, Jul 03	OR	R-1	R-1	AK	AK	WA	WA	OR	OR	CA	CA	R-7
Tule White-fronted	Jul 91	CA											
Midcontinent White-fronted	Aug 15	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Pacific Brant	Jul 81, Jul 92, Jul 02, Mar 18	CA	CA	CA	WA	WA	OR	OR	R-7	R-7	CA	CA	R-1
Wrangel Island Snow	Mar 92, Jul 06	WA											
Western Arctic Snow	Jul 92, Jul 13	AK	MT	MT	CO	CO	CA	CA	AZ	AZ	WA	WA	R-7
Ross's	Jul 92	AK											
Emperor	May 88, Jul 94, Jul 06, Sep 16	R-7	R-7	R-7	AK	AK	R-7	R-7	AK	AK	R-7	R-7	AK
Swans:													
Pacific Trumpeter	Jul 86, Mar 93, Jul 06, Mar 08	OR	R-7	R-7	WA	WA	R-1	R-1	OR	OR	R-7	R-7	R-1
Rocky Mountain Trumpeter	Jul 84, Jul 92, Jul 98, Jul 08, Jul 12, Aug 17	ID	ID	ID	UT	UT	WY	NV	MT	MT	UT	UT	WY
Western Tundra	Mar 83, Apr 89, Jul 01, Aug 17	UT	R-1	R-1	NV	NV	ID	ID	UT	R-7	R-7	MT	MT
Eastern Tundra	Jun 82, May 88, Jul 98, Jul 07	--	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
Sandhill Cranes:													
Pacific Coast	Mar 83												
Central Valley	Mar 83, Jul 95, Jul 97	R-1	AK	AK	R-1	R-1	WA	WA	CA	CA	R-7	R-7	OR
Rocky Mountain	Mar 87, Mar 91, Jul 97, Mar 07, Mar 16		MT	MT	CO	CO	WY	WY	AZ	AZ	MT	MT	CO
Lower Colorado River Valley	Mar 83, May 89, Mar 95, Aug 17	AZ	NV	NV	ID	ID	CA	CA	R-2	R-2	AZ	AZ	NV
Midcontinent	Mar 06, Mar 18		AK	AK	AZ	AZ	R-7	R-7	R-2	R-2	AK	AK	AZ
Doves and Pigeons													
PC Band-tailed Pigeon	Mar 83, Mar 94, Jul 10	DMBM	CA	CA	OR	OR	OR	OR	R-1	R-1	CA	CA	OR
Interior Band-tailed Pigeon	Mar 01, Sept 18	CO	UT	UT	R-2	R-2	AZ	AZ	CO	CO	R-2	R-2	AZ
WMU Mourning Dove	Mar 92	MT	NV	NV	AZ	AZ	R-2	R-2	WA	WA	AZ	AZ	R-2
White-winged Dove	Jul 93, Mar 04	AZ											
Other:													
American White	Jul 12	ID	UT	NV	NV	ID	ID	UT	UT	NV	ID	ID	UT
Double-Crested	Jul 12	OR	ID	WA	WA	OR	OR	ID	ID	WA	WA	OR	OR
Eagle			MT	AK	AK	NV	NV	CA	CA	AZ	AZ	MT	MT
Banding <sup>1</sup>			OR	OR	OR	OR	OR	OR	OR	OR	OR	OR	OR

<sup>1</sup> Subcommittee of the Study Committee

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: February 2021



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. Woodworth	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 Barngrover (NV)		Arizona	Robert Jantzen	California	Chas. Fullerton	John C. Chattin
1976	Washington	Don Ralph 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	Don Kraege	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	Dan Yparraguirre	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	Steve Tessmann	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	Kevin Blakely	Todd A. Sanders
2018	Arizona	Josh Avey	Jonathan O'Dell	Jamey Driscoll	Oregon	Kevin Blakely	Idaho	Scott Reinecker	Todd A. Sanders
2019	Oregon	Kevin Blakely	Brandon Reishus	Christina Donehower	Oregon	Kevin Blakely	Idaho	Scott Reinecker	Todd A. Sanders
2020	California	Stafford Lehr	Melanie Weaver	Neil Clipperton	Idaho	Toby Boudreau	Alaska	Ryan Scott	Todd A. Sanders
2021	Montana	Ken McDonald	Claire Gower	Allison Begley	Idaho	Toby Boudreau	Alaska	Ryan Scott	Todd A. Sanders
2022	Alaska	Ryan Scott	Jason Schamber	Travis Booms	Alaska	Ryan Scott	Nevada	Mike Scott	Todd A. Sanders
2023	Colorado	Brian Dreher	Adam Behney	Brian Holmes	Alaska	Ryan Scott	Nevada	Mike Scott	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 <sup>a</sup>	6,500	48,100	14,000	20,900	12,300	5,600	2,200	26,500	21,000	31,000	4,600	171,800	5,600	221,200	575,900	198,500	1,173,100
2000 <sup>a</sup>	2,700	44,900	14,000	17,100	11,300	4,800	3,100	26,100	19,500	30,500	4,300	157,000	6,000	235,300	553,600	192,200	1,144,100
2001 <sup>a</sup>	3,700	51,000	17,500	12,100	11,000	3,800	5,100	22,600	15,900	26,100	4,200	146,200	5,700	271,100	545,100	197,800	1,165,900
2002 <sup>a</sup>	4,100	39,400	12,700	17,500	14,700	3,900	4,400	21,900	16,000	24,000	4,400	141,500	5,600	225,500	517,900	182,400	1,072,900
2003 <sup>b</sup>	3,400	43,100	13,400	18,200	14,200	4,200	3,900	19,200	15,900	24,700	4,300	--	5,700	--	--	--	--
2004 <sup>b</sup>	3,700	52,900	13,600	17,100	14,400	3,500	3,300	18,500	16,400	22,400	3,400	--	4,800	--	--	--	--
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	3,783	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
2016	3,911	47,081	10,323	15,464	12,279	2,663	4,169	18,720	16,193	21,480	3,106	137,791	5,315	187,384	396,728	176,887	904,105
2017	2,065	56,125	11,655	17,700	12,437	2,596	3,011	26,755	16,254	20,757	4,097	154,688	4,546	191,416	390,526	168,592	909,767
2018	2,010	51,410	11,881	18,264	14,645	3,379	3,284	20,400	13,801	24,600	3,692	163,233	4,233	192,267	387,682	194,111	941,526
2019	1,869	45,536	11,159	18,812	12,912	3,926	3,687	18,274	15,594	24,423	2,718	141,346	3,981	177,825	386,127	163,830	873,109
2020	1,500	48,900	11,300	12,600	17,700	3,500	3,300	19,200	17,400	28,200	3,700	149,000	4,600	196,500	379,300	179,300	908,700
2021	2,495	43,965	8,141	13,803	11,120	3,203	5,363	20,095	15,651	27,309	3,724	137,642	4,299	183,757	357,731	169,020	852,448
Averages:																	
Long Term	3,222	48,778	12,237	16,819	13,033	3,529	3,293	20,556	16,254	23,328	3,841	146,194	5,022	194,762	450,621	181,184	977,764
3-yr	1,955	46,134	10,200	15,072	13,911	3,543	4,117	19,190	16,215	26,644	3,381	142,662	4,293	186,027	374,386	170,716	878,086
% Change from:																	
Long Term	-23.4	-10.3	-34.5	-18.6	-15.2	-9.6	67.7	-2.3	-3.9	18.0	-3.2	-6.1	-15.0	-5.9	-21.4	-7.0	-13.4
3-yr	27.6	-4.7	-20.2	-8.4	-20.1	-9.6	30.3	4.7	-3.5	2.5	10.2	-3.5	0.1	-1.2	-4.4	-1.0	-2.9
2020	66.3	-10.1	-28.0	9.5	-37.2	-8.5	62.5	4.7	-10.1	-3.2	0.6	-7.6	-6.5	-6.5	-5.7	-5.7	-6.2

<sup>a</sup>Final estimates. All other years Preliminary.

**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	2,700	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
2016	2,257	30,901	15,209	11,202	8,118	1,619	1,816	10,508	9,239	11,291	3,870	85,135	1,940	140,280	260,429	148,792	636,577
2017	1,237	43,931	14,044	15,754	9,681	2,418	1,563	13,273	9,168	11,184	4,207	106,645	1,752	143,148	271,722	124,277	647,544
2018	1,031	36,841	12,539	16,335	9,538	905	3,178	10,800	7,902	14,700	3,741	104,251	1,916	134,415	233,507	114,811	588,900
2019	693	32,387	13,305	11,668	10,604	2,419	3,215	8,872	8,909	12,444	3,257	87,997	1,599	126,025	233,765	106,461	555,847
2020	800	37,600	10,500	9,700	12,400	1,600	2,300	11,200	8,400	15,100	3,700	96,800	1,600	130,400	231,200	120,400	580,800
2021	1,274	31,648	10,288	11,583	11,200	2,351	3,585	10,566	7,499	13,846	3,884	89,967	1,618	136,063	226,451	91,169	545,268
Averages:																	
Long Term	1,245	33,517	14,104	13,667	11,126	2,193	2,307	11,657	9,885	13,559	3,830	96,317	2,017	144,911	278,293	133,042	654,317
3-yr	922	33,878	11,364	10,984	11,402	2,123	3,033	10,213	8,269	13,796	3,614	91,588	1,606	130,829	230,472	106,010	560,638
% Change from:																	
Long Term	2.4	-5.8	-27.9	-15.8	0.7	7.5	59.4	-9.7	-25.0	2.2	1.5	-6.9	-20.5	-6.4	-19.4	-32.6	-17.4
3-yr	38.1	-6.6	-9.5	5.5	-1.8	10.7	18.2	3.5	-9.3	0.4	7.5	-1.8	0.8	4.0	-1.7	-14.0	-2.7
2020	59.2	-15.8	-2.0	19.4	-9.7	46.9	55.9	-5.7	-10.7	-8.3	5.0	-7.1	1.1	4.3	-2.1	-24.3	-6.1

**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
2016	4.5	7.9	5.9	6.0	5.6	5.2	2.6	6.6	5.3	6.4	4.2	6.6	4.3	5.2	6.7	5.7	6.1
2017	4.2	7.9	5.2	5.6	4.6	5.6	5.9	7.5	6.3	5.9	5.3	6.8	4.1	4.8	6.5	5.4	6.0
2018	4.4	7.2	5.0	5.2	4.9	6.3	7.4	5.9	5.9	6.9	4.2	6.8	4.1	4.8	6.3	5.0	5.8
2019	4.6	7.5	4.9	5.0	3.7	5.2	4.6	6.9	7.1	6.9	4.1	6.5	5.5	5.0	6.1	5.1	5.7
2020	4.8	8.6	5.5	6.5	6.3	5.1	4.6	7.1	6.6	7.2	4.8	7.3	4.4	5.4	7.2	5.3	6.4
2021	4.7	7.5	4.0	7.6	4.5	5.8	4.5	7.6	5.6	6.1	5.2	6.7	4.2	4.9	6.7	5.1	6.0
Averages:																	
Long Term	5.5	9.2	5.6	6.2	5.1	6.1	6.0	7.7	6.7	7.4	5.4	7.5	4.9	5.5	7.0	5.6	6.5
3-yr	4.7	7.9	4.8	6.4	4.8	5.3	4.6	7.2	6.4	6.7	4.7	6.8	4.7	5.1	6.6	5.2	6.0
% Change from:																	
Long Term	-15.1	-18.6	-28.2	22.9	-13.6	-5.0	-25.5	-1.7	-18.1	-19.0	-4.2	-11.1	-14.4	-11.9	-4.9	-10.5	-8.9
3-yr	-0.3	-4.5	-16.1	19.1	-7.5	8.3	-1.5	5.3	-13.0	-9.6	10.6	-2.2	-10.8	-3.4	0.7	-1.9	-1.2
2020	-2.3	-12.4	-26.4	17.4	-28.8	14.2	-3.2	6.3	-15.2	-15.7	8.2	-8.7	-4.9	-8.6	-6.6	-4.6	-7.0

**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
2016	3.7	6.3	5.6	5.7	4.5	5.3	3.4	5.0	5.3	4.5	4.3	5.4	5.0	4.8	6.7	4.9	5.7
2017	3.6	6.1	5.3	3.9	5.2	5.4	4.0	4.2	5.2	5.2	5.5	5.2	4.4	4.4	5.9	4.8	5.2
2018	3.8	6.7	5.6	3.3	4.2	3.1	3.0	4.9	4.7	5.6	3.9	5.4	4.6	4.5	5.7	4.5	5.1
2019	6.2	6.2	5.4	6.4	4.0	5.0	4.2	5.2	4.8	5.4	4.8	5.6	8.6	4.1	5.5	4.5	5.0
2020	5.5	7.8	6.1	5.7	5.7	4.8	4.1	5.8	7.7	5.9	5.3	6.7	5.0	4.7	6.6	5.1	5.9
2021	4.8	6.3	4.2	5.6	4.3	5.2	4.1	6.1	5.9	4.7	4.5	5.6	4.2	4.5	6.2	4.2	5.3
Averages:																	
Long Term	5.4	7.1	5.8	5.7	4.7	4.8	4.2	5.8	5.9	5.4	5.2	6.0	4.9	4.8	6.2	4.9	5.6
3-yr	5.5	6.8	5.2	5.9	4.7	5.0	4.1	5.7	6.1	5.3	4.9	6.0	5.9	4.4	6.1	4.6	5.4
% Change from:																	
Long Term	-11.3	-11.5	-27.5	-0.9	-8.6	7.2	-4.4	4.8	-0.3	-12.7	-13.9	-6.5	-14.7	-6.6	-0.5	-15.4	-5.1
3-yr	-13.2	-6.7	-19.0	-4.5	-7.6	4.0	-1.7	6.7	-4.0	-11.5	-7.1	-5.8	-29.6	1.2	1.0	-9.1	-1.6
2020	-13.2	-19.3	-30.2	-1.4	-24.4	8.6	-0.6	4.7	-23.6	-20.0	-14.3	-16.5	-16.3	-4.3	-6.9	-17.7	-9.5

**Total duck hunting days for adults (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	4,033.4	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	6,686.4
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
2016	17.4	370.8	60.6	93.1	68.2	13.9	11.0	123.2	85.3	138.5	13.1	910.4	22.6	970.5	2,647.2	1,006.6	5,557.4
2017	8.6	443.9	60.2	98.8	57.5	14.6	17.7	200.3	102.7	123.4	21.8	1,049.8	18.8	921.4	2,544.6	912.3	5,446.9
2018	8.8	370.0	59.2	95.0	72.4	21.1	24.2	121.1	81.9	170.8	15.6	1,112.6	17.3	931.4	2,452.8	977.4	5,491.5
2019	8.6	342.1	55.0	94.9	48.4	20.3	16.8	125.4	110.0	168.4	11.1	918.0	22.0	885.1	2,348.2	841.9	5,015.2
2020	7.2	419.1	62.1	81.3	111.0	17.7	15.3	136.4	114.2	203.5	17.8	1,090.5	20.4	1,057.7	2,717.5	955.2	5,841.2
2021	11.7	330.2	32.9	104.5	49.7	18.5	24.1	151.8	87.1	166.1	19.4	919.6	18.1	904.1	2,393.0	859.4	5,094.1
Averages:																	
Long Term	17.7	453.0	68.7	101.4	65.9	21.2	19.7	160.2	111.7	173.7	20.8	1,112.3	25.1	1,117.2	3,292.3	1,030.6	6,577.2
3-yr	9.2	363.8	50.0	93.6	69.7	18.8	18.7	137.9	103.8	179.3	16.1	976.0	20.2	948.9	2,486.2	885.5	5,316.8
% Change from:																	
Long Term	-35.1	-28.0	-53.1	3.2	-25.5	-13.2	23.8	-5.4	-22.8	-4.6	-6.9	-18.0	-28.8	-19.8	-28.2	-17.2	-23.3
3-yr	27.4	-9.2	-34.1	11.7	-28.7	-1.7	28.6	10.1	-16.1	-7.4	20.3	-5.8	-10.1	-4.7	-3.8	-3.0	-4.2
2020	62.5	-21.2	-47.0	28.6	-55.3	4.5	57.4	11.3	-23.8	-18.4	8.9	-15.7	-11.1	-14.5	-11.9	-10.0	-12.8

**Total goose hunting days for adults (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
2016	8.3	194.0	85.7	63.9	36.3	8.6	6.1	52.1	49.4	50.9	16.8	463.5	9.7	677.2	1,734.7	736.2	3,621.3
2017	4.4	268.2	74.6	60.8	50.3	13.0	6.2	55.9	47.9	58.3	23.2	558.8	7.6	634.2	1,590.0	595.3	3,386.0
2018	3.9	245.9	70.1	53.4	40.4	2.8	9.5	52.9	37.3	82.2	14.8	566.9	8.9	607.1	1,334.3	513.5	3,030.8
2019	4.3	200.1	71.5	74.2	42.5	12.0	13.7	46.4	42.8	67.1	15.6	489.3	13.8	521.1	1,291.1	480.1	2,795.4
2020	4.4	294.1	63.7	55.5	71.2	7.6	9.4	65.3	64.8	89.4	19.5	652.4	8.0	613.1	1,531.0	608.3	3,412.8
2021	6.1	199.8	43.5	65.3	48.6	12.1	14.6	64.5	44.2	65.6	17.5	506.2	6.8	612.5	1,395.9	378.9	2,900.2
Averages:																	
Long Term	6.6	237.0	81.9	77.6	52.9	10.7	10.0	68.1	58.7	73.7	20.0	587.3	9.7	712.3	1,776.5	669.0	3,754.9
3-yr	4.9	231.3	59.6	65.0	54.1	10.6	12.5	58.7	50.6	74.0	17.5	549.3	9.5	582.2	1,406.0	489.1	3,036.1
% Change from:																	
Long Term	-8.6	-16.3	-48.0	-16.4	-8.4	14.5	49.3	-5.5	-25.6	-11.5	-13.0	-14.3	-31.5	-14.6	-22.2	-44.5	-23.6
3-yr	23.3	-13.6	-26.9	0.5	-10.2	14.6	16.1	9.8	-12.7	-11.4	-0.1	-7.8	-29.0	5.2	-0.7	-22.5	-4.5
2020	38.2	-32.1	-31.6	17.7	-31.8	59.6	54.9	-1.2	-31.8	-26.7	-10.1	-22.4	-15.4	-0.1	-8.8	-37.7	-15.0

**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 <sup>a</sup>	AK	CF <sup>b</sup>	MF	AF	U.S.
1999	53,100	1,214,500	20,000	251,500	78,300	88,500	2,700	427,500	252,800	641,600	19,300	3,052,700	77,400	3,075,700	8,111,200	1,871,300	16,188,300
2000	57,600	953,000	23,500	235,000	100,500	47,500	4,700	423,800	209,000	568,200	10,900	2,635,000	77,800	3,316,500	8,111,600	1,825,300	15,966,200
2001	39,400	1,067,000	16,200	141,800	85,800	36,700	6,800	313,500	170,300	430,700	6,400	2,322,900	77,600	3,279,300	6,726,300	1,725,500	14,131,600
2002	33,900	826,600	16,300	191,800	92,600	44,900	8,000	357,700	172,600	389,500	2,600	2,144,100	74,100	2,607,200	5,834,900	1,778,900	12,439,200
2003	40,700	1,013,100	17,000	262,900	87,100	50,200	5,700	276,200	325,600	350,800	3,900	2,453,100	71,200	2,495,500	6,522,200	1,623,400	13,165,400
2004	34,100	1,480,700	25,000	188,500	78,100	37,100	2,100	256,800	198,700	353,300	3,100	2,670,200	63,000	2,655,700	5,505,500	1,417,900	12,312,300
2005	51,900	1,327,200	24,500	258,300	78,900	49,600	5,100	357,600	269,900	396,200	10,000	2,826,000	74,500	2,729,800	5,270,000	1,610,500	12,510,800
2006	45,700	1,480,800	17,300	278,000	83,500	55,400	2,500	630,600	310,400	496,400	14,100	3,410,100	65,200	2,453,100	6,257,200	1,622,500	13,808,100
2007	48,200	1,632,900	20,000	229,100	86,100	43,800	10,200	684,200	230,600	452,600	12,900	3,441,000	67,900	2,666,000	6,719,700	1,684,300	14,578,900
2008	28,700	1,634,300	10,800	257,700	81,500	29,900	7,500	644,400	186,600	399,200	6,500	3,300,600	68,300	2,086,700	6,522,900	1,744,700	13,723,200
2009	37,100	1,441,200	41,700	228,300	62,400	41,000	5,500	361,000	187,100	380,800	11,800	2,781,900	64,200	2,492,100	6,121,500	1,680,100	13,139,800
2010	38,500	1,734,100	25,700	156,600	70,700	48,200	2,300	419,100	249,100	287,600	10,800	3,041,000	91,700	2,230,000	7,647,000	1,857,300	14,867,000
2011	38,300	1,489,100	41,000	209,500	14,700	63,800	66,700	480,300	312,500	522,600	21,900	3,217,600	60,100	2,980,400	8,000,100	1,672,900	15,931,100
2012	51,000	1,587,500	10,700	277,700	10,800	51,000	80,100	389,200	274,500	490,900	33,400	3,242,000	64,500	3,003,000	7,522,700	1,872,300	15,704,500
2013	68,200	1,062,400	23,400	320,400	80,300	38,300	5,800	276,500	184,300	296,100	6,600	2,380,900	66,700	2,761,800	6,882,900	1,624,100	13,716,400
2014	25,600	949,200	13,700	249,800	134,200	30,000	10,300	339,400	209,500	395,100	13,200	2,377,900	53,200	2,824,800	6,462,800	1,551,300	13,270,000
2015	21,600	1,266,300	19,900	173,700	147,300	27,200	1,400	239,100	193,000	445,100	12,100	2,549,500	27,600	2,255,600	4,822,700	1,337,400	10,992,800
2016	26,800	1,154,300	9,300	268,000	122,100	32,400	1,400	315,700	179,600	427,500	7,600	2,552,500	61,600	2,430,800	4,962,600	1,599,900	11,607,400
2017	12,900	1,305,600	14,600	231,600	83,300	30,400	200	477,900	225,700	328,700	10,600	2,720,200	54,200	2,429,000	5,339,800	1,572,500	12,115,700
2018	15,800	1,083,300	13,500	260,300	112,800	46,300	2,700	306,700	179,100	376,600	9,700	2,438,000	45,700	2,254,700	3,979,000	1,609,600	10,326,900
2019	16,900	962,200	8,600	165,300	71,800	42,300	5,400	287,200	190,900	374,200	7,500	2,143,400	51,700	2,111,900	4,172,100	1,241,600	9,720,800
2020	11,935	1,089,646	76,130	197,508	218,672	28,759	28,337	306,430	250,626	437,018	33,869	2,540,594	40,165	2,774,838	4,408,837	1,298,633	11,063,066
2021	17,682	1,129,265	113,801	253,028	151,196	38,470	21,412	422,547	199,605	477,926	49,806	2,650,357	49,871	2,647,825	4,987,705	1,585,661	11,921,415
Averages:																	
Long Term	35,462	1,255,835	26,201	229,841	92,725	43,553	12,472	391,016	224,436	422,550	13,851	2,734,415	62,967	2,633,142	6,125,706	1,626,417	13,182,647
3-yr	15,506	1,060,370	66,177	205,279	147,223	36,510	18,383	338,726	213,710	429,715	30,392	2,444,784	47,245	2,511,521	4,522,881	1,375,298	10,901,760
% Change from:																	
Long Term	-51.2	-10.5	412.2	10.6	67.9	-12.1	77.5	8.5	-11.5	13.8	307.7	-3.2	-21.5	0.6	-19.3	-2.6	-10.0
3-yr	14.0	6.5	72.0	23.3	2.7	5.4	16.5	24.7	-6.6	11.2	63.9	8.4	5.6	5.4	10.3	15.3	9.4
2020	48.2	3.6	49.5	28.1	-30.9	33.8	-24.4	37.9	-20.4	9.4	47.1	4.3	24.2	-4.6	13.1	22.1	7.8

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

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.



**Total duck harvest for states in two flyways by State and Flyway\* from the Harvest Information Program, 1999–current.**

Year	CO			MT			NM			WY			Total	
	CF	PF	Total	CF	PF	Total	CF	PF	Total	CF	PF	Total	CF	PF
1999	71,000	20,000	91,000	44,900	78,300	123,200	23,500	2,700	26,200	28,500	19,300	47,800	167,900	120,300
2000	93,500	23,500	117,000	40,500	100,500	141,000	57,000	4,700	61,700	32,400	10,900	43,300	223,400	139,600
2001	121,000	16,200	137,200	37,700	85,800	123,500	55,000	6,800	61,800	36,400	6,400	42,800	250,100	115,200
2002	83,200	16,300	99,500	34,500	92,600	127,100	41,800	8,000	49,800	41,300	2,600	43,900	200,800	119,500
2003	121,000	17,000	138,000	46,500	87,100	133,600	55,300	5,700	61,000	35,700	3,900	39,600	258,500	113,700
2004	98,400	25,000	123,400	42,800	78,100	120,900	33,200	2,100	35,300	39,700	3,100	42,800	214,100	108,300
2005	74,800	24,500	99,300	36,400	78,900	115,300	27,700	5,100	32,800	25,900	10,000	35,900	164,800	118,500
2006	90,500	17,300	107,800	29,300	83,500	112,800	44,200	2,500	46,700	31,200	14,100	45,300	195,200	117,400
2007	93,200	20,000	113,200	33,500	86,100	119,600	31,200	10,200	41,400	37,000	12,900	49,900	194,900	129,200
2008	101,100	10,800	111,900	38,300	81,500	119,800	26,500	7,500	34,000	26,900	6,500	33,400	192,800	106,300
2009	79,200	41,700	120,900	43,000	62,400	105,400	28,300	5,500	33,800	32,700	11,800	44,500	183,200	121,400
2010	52,300	25,700	78,000	37,000	70,700	107,700	32,800	2,300	35,100	25,200	10,800	36,000	147,300	109,500
2011	65,000	41,000	106,000	40,500	14,700	55,200	34,800	66,700	101,500	21,800	21,900	43,700	162,100	144,300
2012	77,200	10,700	87,900	87,400	10,800	98,200	40,000	80,100	120,100	46,300	33,400	79,700	250,900	135,000
2013	100,900	23,400	124,300	54,400	80,300	134,700	34,600	5,800	40,400	46,200	6,600	52,800	236,100	116,100
2014	91,200	13,700	104,900	45,100	134,200	179,300	36,200	10,300	46,500	24,700	13,200	37,900	197,200	171,400
2015	91,900	19,900	111,800	36,300	147,300	183,600	22,800	1,400	24,200	19,000	12,100	31,100	170,000	180,700
2016	77,600	9,300	86,900	26,000	122,100	148,100	15,000	1,400	16,400	18,800	7,600	26,400	137,400	140,400
2017	78,400	14,600	93,000	24,000	83,300	107,300	42,300	200	42,500	30,900	10,600	41,500	175,600	108,700
2018	74,700	13,500	88,200	57,000	112,800	169,800	34,900	2,700	37,600	23,400	9,700	33,100	190,000	138,700
2019	67,600	8,600	76,200	32,800	71,800	104,600	39,300	5,400	44,700	17,300	7,500	24,800	157,000	93,300
2020	65,400	10,800	76,200	42,700	176,000	218,700	21,900	6,400	28,300	21,500	12,400	33,900	151,500	205,600
2021	53,600	9,000	62,600	22,900	59,700	82,600	12,500	5,500	18,000	19,200	3,900	23,100	108,200	78,100
Averages:														
Long Term	83,596	18,804	102,400	40,587	86,891	127,478	34,383	10,826	45,209	29,652	10,922	40,574	188,217	127,443
3-yr	62,200	9,467	71,667	32,800	102,500	135,300	24,567	5,767	30,333	19,333	7,933	27,267	138,900	125,667
% Change from:														
Long Term	-36.9	-53.2	-39.9	-44.7	-32.3	-36.2	-64.7	-50.3	-61.2	-36.3	-65.3	-44.2	-43.6	-39.8
3-yr	-13.8	-4.9	-12.7	-30.2	-41.8	-39.0	-49.1	-4.6	-40.7	-0.7	-50.8	-15.3	-22.1	-37.9
2020	-18.0	-16.7	-17.8	-46.4	-66.1	-62.2	-42.9	-14.1	-36.4	-10.7	-68.5	-31.9	-28.6	-62.0

\*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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	6,113	143,603	2,332	187,753	92,474	13,155	668	119,827	63,221	196,142	5,068	830,356	33,144	716,017	1,826,117	313,511	3,719,146
2017	2,350	209,323	5,209	137,089	58,568	9,582	234	183,971	70,062	181,372	5,822	863,583	21,152	610,977	1,643,472	286,376	3,425,560
2018	4,175	144,472	7,001	172,946	75,884	19,429	1,126	102,696	60,853	203,685	5,456	817,998	14,830	651,046	1,407,353	277,119	3,148,069
2019	3,883	147,680	4,730	100,751	45,694	13,252	1,420	97,820	60,212	190,913	3,681	670,036	20,079	528,764	1,454,937	222,255	2,896,071
2020	1,958	136,289	6,372	112,842	107,280	5,471	2,760	119,984	68,427	215,115	7,643	784,139	15,678	568,926	1,211,677	220,791	2,801,212
2021	2,292	87,509	32,999	150,403	53,847	4,615	7,125	135,613	37,585	188,043	14,587	658,087	10,864	508,582	1,184,216	179,879	2,541,629
Averages:																	
Long Term	8,683	233,834	13,412	151,945	65,457	13,942	2,486	157,379	69,706	215,994	6,083	937,674	20,882	784,062	2,090,314	366,657	4,193,934
3-yr	2,711	123,826	14,700	121,332	68,940	7,779	3,768	117,806	55,408	198,024	8,637	704,087	15,540	535,424	1,283,610	207,642	2,746,304
% Change from:																	
Long Term	-74.5	-63.6	163.5	-1.1	-18.4	-67.9	213.2	-14.4	-47.2	-13.4	156.1	-30.8	-49.1	-36.2	-44.4	-52.1	-40.5
3-yr	-15.5	-29.3	124.5	24.0	-21.9	-40.7	89.1	15.1	-32.2	-5.0	68.9	-6.5	-30.1	-5.0	-7.7	-13.4	-7.5
2020	17.1	-35.8	417.9	33.3	-49.8	-15.6	158.2	13.0	-45.1	-12.6	90.9	-16.1	-30.7	-10.6	-2.3	-18.5	-9.3

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	0	310	98	0	1,709	0	1,975	8,493	7,044	19,221
2007	42	438	0	628	0	0	0	267	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
2016	41	340	0	715	0	0	0	0	392	0	0	1,488	0	0	1,185	2,531	5,205
2017	21	851	0	447	0	0	0	134	195	79	0	1,728	0	132	1,184	2,326	5,370
2018	0	475	0	516	0	0	0	243	163	78	0	1,475	0	87	1,397	1,321	4,280
2019	0	333	0	307	0	0	0	113	436	0	0	1,189	0	76	839	3,322	5,427
2020	0	478	0	275	133	0	0	146	148	196	0	1,375	0	237	2,162	3,117	6,891
2021	0	0	0	187	0	0	22	79	106	152	0	523	0	22	10,955	1,303	12,803
Averages:																	
Long Term	25	724	3	310	31	12	10	203	231	139	0	1,688	3	671	3,834	6,732	12,927
3-yr	0	270	0	256	44	0	7	113	230	116	0	1,029	0	112	4,652	2,581	8,374
% Change from:																	
Long Term	-100.0	-100.0	-100.0	-40.8	-100.0	-100.0	131.5	-62.1	-55.2	9.5	#DIV/0!	-70.0	-100.0	-96.9	212.1	-81.3	-1.0
3-yr	#DIV/0!	-100.0	#DIV/0!	-27.0	-100.0	#DIV/0!	200.0	-29.9	-53.9	31.0	#DIV/0!	-49.2	#DIV/0!	-80.3	135.5	-49.5	52.9
2020	#DIV/0!	-100.0	#DIV/0!	-32.0	-100.0	#DIV/0!	#DIV/0!	-45.9	-28.4	-22.4	#DIV/0!	-62.0	#DIV/0!	-90.7	406.7	-58.2	85.8

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current. For breakdown of all split states, see Split State Duck Total Table.

**Mexican Duck harvest by State and Flyway from the Harvest Information Program, 2009–current.**

<b>Year</b>	<b>AZ</b>	<b>NM</b>	<b>PF</b>	<b>CO</b>	<b>NM</b>	<b>TX</b>	<b>CF</b>	<b>U.S.</b>
2009	472	0	472	139	566	660	1,365	1,838
2010			877				1,319	2,195
2011	261	0	261	0	557	267	823	1,084
2012	558	0	558	0	231	0	231	789
2013	1,187	0	1,187	0	562	0	562	1,749
2014	644	77	722	0	232	581	812	1,534
2015	85	0	85	0	40	110	151	236
2016	454	0	454	0	27	0	27	481
2017	233	0	233	0	117	0	117	350
2018	557	0	557	0	884	0	884	1,441
2019	341	46	386	0	504	141	644	1,031
2020	240	0	240	83	537	0	619	859
2021	665	22	688	110	289	0	619	1,307
<b>Averages:</b>								
Long Term	475	12	517	28	379	147	629	1,146
3-yr	415	23	438	64	443	47	627	1,066
<b>% Change from:</b>								
Long Term	45.4	96.7	36.9	445.0	-25.3	-100.0	-1.7	15.4
3-yr	60.1	-2.9	57.1	71.0	-34.8	-100.0	-1.3	22.6
2020	177.1	#DIV/0!	186.7	32.5	-46.2	#DIV/0!	0.0	52.2

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	
2016	413	135,445	0	5,362	1,442	1,039	27	43,127	14,891	26,652	108	228,507	3,268	108,772	101,514	25,407	467,467	
2017	296	119,467	0	2,310	1,173	830	0	41,286	18,761	15,843	0	199,967	3,525	102,462	134,643	16,280	456,878	
2018	309	138,774	0	4,732	2,275	890	0	35,284	14,644	25,977	245	223,822	4,734	63,390	68,949	17,539	377,748	
2019	409	99,535	0	2,150	452	2,191	0	22,997	10,169	20,447	159	158,508	3,203	72,457	74,589	8,963	317,720	
2020	379	102,432	166	2,474	1,989	2,203	230	27,052	20,787	22,582	0	180,294	4,815	103,927	100,111	18,986	408,134	
2021	702	76,760	1,535	1,868	1,805	1,970	401	32,940	15,309	22,435	392	153,218	4,818	77,117	132,767	17,300	385,219	
Averages:																		
Long Term	1,362	129,939	183	4,506	1,578	2,326	109	37,308	19,571	25,525	158	222,600	7,509	99,795	127,133	18,246	474,922	
3-yr	497	92,909	567	2,164	1,415	2,121	210	27,663	15,422	21,821	184	164,007	4,279	84,500	102,489	15,083	370,358	
% Change from:																		
Long Term	-49.6	-42.0	1,167.6	-59.6	15.2	-15.9	316.9	-12.2	-22.5	-12.6	166.4	-32.1	-36.9	-23.5	4.6	-5.4	-19.6	
3-yr	41.3	-17.4	170.7	-13.7	27.5	-7.1	90.6	19.1	-0.7	2.8	113.4	-6.6	12.6	-8.7	29.5	14.7	4.0	
2020	85.2	-25.1	824.7	-24.5	-9.3	-10.6	74.3	21.8	-26.4	-0.7	#DIV/0!	-15.0	0.1	-25.8	32.6	-8.9	-5.6	

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	2,148	158,728	2,798	22,164	7,052	3,173	374	49,131	31,219	60,175	719	337,682	8,403	126,242	91,897	55,342	619,567
2017	2,795	185,497	4,341	27,269	8,463	3,148	0	95,886	26,285	42,407	1,301	397,391	6,528	152,207	108,267	26,442	690,836
2018	2,659	157,411	3,734	20,908	9,368	4,004	643	56,163	14,888	60,692	858	328,458	9,811	114,926	65,348	51,136	573,352
2019	1,737	141,277	1,419	17,816	5,881	3,099	550	62,079	21,426	65,418	857	321,560	5,625	117,376	69,814	19,483	533,859
2020	1,200	196,831	497	22,129	16,841	2,165	920	55,175	28,702	75,251	681	400,391	5,696	153,898	72,343	22,122	654,449
2021	2,107	141,369	4,605	20,178	5,816	4,559	2,294	78,223	20,799	88,223	3,322	360,634	4,424	121,078	82,283	28,797	597,217
Averages:																	
Long Term	3,814	173,235	1,748	21,631	5,926	3,063	806	64,056	20,963	70,893	852	366,561	10,445	165,701	121,959	34,014	697,965
3-yr	1,681	159,826	2,174	20,041	9,513	3,274	1,255	65,159	23,642	76,297	1,620	360,862	5,248	130,784	74,813	23,467	595,175
% Change from:																	
Long Term	-45.9	-19.1	184.6	-7.0	-1.9	52.2	210.6	23.4	-0.8	25.8	349.2	-1.7	-58.7	-27.8	-33.5	-15.9	-15.0
3-yr	25.3	-11.5	111.9	0.7	-38.9	39.2	82.8	20.0	-12.0	15.6	105.1	-0.1	-15.7	-7.4	10.0	22.7	0.3
2020	75.6	-28.2	826.6	-8.8	-65.5	110.6	149.3	41.8	-27.5	17.2	387.8	-9.9	-22.3	-21.3	13.7	30.2	-8.7

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current. For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	
2016	5,535	381,864	311	22,021	5,609	3,635	53	51,753	12,670	51,847	791	536,090	3,268	296,279	627,605	115,934	1,579,175	
2017	2,032	356,700	1,013	13,038	3,435	4,359	0	70,334	51,594	30,583	479	533,568	5,223	368,595	717,625	101,247	1,726,257	
2018	1,917	316,959	156	17,295	6,826	6,822	241	52,764	26,278	43,920	920	478,401	5,191	264,585	452,685	103,792	1,300,349	
2019	4,530	288,875	710	10,444	3,891	8,550	1,420	42,311	23,823	37,452	539	422,544	5,703	247,674	435,290	58,893	1,170,105	
2020	2,892	294,864	1,655	13,195	12,333	10,068	434	46,222	41,944	46,208	733	470,547	5,402	366,804	475,539	101,571	1,419,863	
2021	3,290	291,968	6,469	8,408	4,412	10,526	2,003	59,434	25,338	41,459	1,812	444,785	6,735	324,000	563,327	107,755	1,446,602	
Averages:																		
Long Term	6,790	311,981	1,620	13,533	4,782	8,399	473	53,345	37,577	39,957	750	479,093	7,484	316,108	697,533	130,487	1,629,665	
3-yr	3,571	291,902	2,945	10,682	6,879	9,715	1,286	49,322	30,368	41,706	1,028	445,959	5,947	312,826	491,385	89,406	1,345,523	
% Change from:																		
Long Term	-52.7	-6.7	362.2	-38.9	-8.1	26.8	396.7	12.0	-33.6	3.9	158.4	-7.5	-10.4	2.6	-19.9	-18.1	-11.7	
3-yr	-7.9	0.0	119.7	-21.3	-35.9	8.4	55.8	20.5	-16.6	-0.6	76.3	-0.3	13.3	3.6	14.6	20.5	7.5	
2020	13.8	-1.0	290.9	-36.3	-64.2	4.5	361.5	28.6	-39.6	-10.3	147.2	-5.5	24.7	-11.7	18.5	6.1	1.9	

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	1,611	33,649	0	429	1,122	808	0	0	6,270	0	144	44,032	0	378,980	255,598	63,257	741,867
2017	699	45,098	0	745	1,424	1,142	0	1,210	7,524	158	753	58,753	0	324,436	439,383	67,713	890,285
2018	1,453	30,628	467	1,635	4,417	1,186	80	809	8,380	312	368	52,165	57	429,028	399,992	70,642	949,454
2019	715	25,445	237	307	1,538	1,336	0	736	8,425	281	349	39,370	0	297,161	383,088	82,437	802,057
2020	594	33,953	0	962	1,857	304	128	195	5,400	131	0	43,522	59	460,331	547,820	56,280	1,108,012
2021	887	14,721	5,482	374	2,206	338	780	550	4,329	152	1,118	22,889	98	324,181	424,854	69,069	841,091
Averages:																	
Long Term	1,791	36,462	529	964	1,383	755	115	618	6,511	270	265	49,419	80	325,599	565,417	79,829	1,020,034
3-yr	732	24,706	1,906	548	1,867	659	303	494	6,051	188	489	35,260	52	360,558	451,921	69,262	917,053
% Change from:																	
Long Term	-51.6	-60.7	1,703.6	-62.3	63.9	-56.3	817.6	-11.4	-34.5	-44.9	395.0	-54.8	24.4	-0.5	-25.7	-14.0	-18.2
3-yr	21.2	-40.4	187.6	-31.7	18.2	-48.7	157.7	11.4	-28.5	-19.1	128.6	-35.1	87.3	-10.1	-6.0	-0.3	-8.3
2020	49.3	-56.6	#DIV/0!	-61.1	18.8	11.2	509.4	182.1	-19.8	16.0	#DIV/0!	-47.4	66.1	-29.6	-22.4	22.7	-24.1

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.



**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	1,652	139,354	0	2,073	1,442	2,019	0	11,162	5,878	9,370	36	172,988	0	106,834	193,823	30,290	503,935
2017	635	169,330	0	3,204	922	2,041	0	16,272	11,726	6,385	0	210,514	1,045	110,632	237,247	26,307	585,745
2018	1,082	141,504	156	2,495	1,071	2,150	80	15,133	12,610	6,241	61	184,294	1,825	87,957	127,236	20,642	420,243
2019	920	122,651	0	922	1,900	2,886	0	14,557	15,543	7,940	0	167,318	1,484	129,788	141,962	10,103	450,656
2020	1,313	160,965	331	2,886	2,917	2,393	409	12,699	23,450	15,337	366	223,068	998	157,604	169,584	17,356	568,611
2021	1,516	166,839	1,315	2,616	401	3,208	712	22,170	26,394	17,660	211	241,131	1,868	72,140	135,760	19,714	470,613
Averages:																	
Long Term	3,056	168,986	168	2,859	1,323	4,715	104	16,826	18,440	10,528	149	227,179	2,395	120,241	235,886	20,878	606,264
3-yr	1,250	150,152	549	2,141	1,739	2,829	374	16,475	21,796	13,646	192	210,506	1,450	119,844	149,102	15,724	496,627
% Change from:																	
Long Term	-51.5	-1.3	1,037.2	-8.9	-70.6	-32.9	831.8	33.7	46.0	73.1	43.8	6.4	-22.8	-41.1	-43.5	-5.8	-23.2
3-yr	21.3	11.1	139.7	22.2	-76.9	13.4	90.5	34.6	21.1	29.4	9.7	14.5	28.8	-39.8	-8.9	25.4	-5.2
2020	15.5	3.6	297.3	-9.4	-86.3	34.1	74.1	74.6	12.6	15.1	-42.3	8.1	87.2	-54.2	-19.9	13.6	-17.2

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	2,148	71,207	777	13,942	5,289	4,096	267	9,725	30,827	10,203	467	148,948	467	349,580	662,282	92,160	1,253,437
2017	1,355	112,490	723	18,850	3,435	6,538	0	14,928	29,901	8,671	822	197,712	522	333,803	623,532	64,618	1,220,188
2018	1,206	61,730	1,089	12,562	2,811	5,858	0	9,307	17,329	10,921	429	126,006	684	325,539	421,296	62,214	932,975
2019	1,941	53,468	828	8,908	4,524	6,092	824	11,782	28,544	11,032	730	128,672	1,016	339,224	537,060	42,126	1,048,098
2020	1,175	60,446	414	13,195	11,935	2,583	562	9,390	34,250	14,097	157	148,204	352	509,692	549,477	42,779	1,250,504
2021	1,146	43,462	5,811	6,446	6,618	3,039	1,536	10,535	28,611	14,022	785	112,291	541	253,659	414,525	46,539	827,555
Averages:																	
Long Term	2,864	85,968	1,266	10,443	4,382	5,817	450	12,615	27,712	11,464	631	163,316	874	431,885	816,892	51,875	1,463,795
3-yr	1,421	52,459	2,351	9,516	7,692	3,905	974	10,569	30,468	13,050	557	129,722	636	367,525	500,354	43,815	1,042,052
% Change from:																	
Long Term	-61.0	-50.6	448.3	-39.3	54.6	-48.9	283.2	-17.1	3.4	23.6	25.9	-32.2	-39.1	-42.3	-50.4	-10.7	-44.6
3-yr	-19.3	-17.2	147.2	-32.3	-14.0	-22.2	57.7	-0.3	-6.1	7.4	40.8	-13.4	-15.0	-31.0	-17.2	6.2	-20.6
2020	-2.5	-28.1	1,303.6	-51.1	-44.5	17.7	173.3	12.2	-16.5	-0.5	400.0	-24.2	53.7	-50.2	-24.6	8.8	-33.8

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	124	11,896	0	4,075	160	0	0	6,089	261	1,249	0	23,855	0	85,821	582,231	388,184	1,080,090
2017	0	23,825	0	5,886	670	208	0	11,565	586	2,128	68	44,938	0	110,647	610,542	454,253	1,220,379
2018	93	12,346	311	6,281	402	297	0	5,665	325	1,092	0	27,036	0	70,269	407,754	372,055	876,889
2019	34	13,554	0	2,611	362	374	137	5,154	145	2,319	0	24,691	0	69,672	488,166	364,310	946,838
2020	13	12,625	166	1,924	530	76	0	7,006	296	2,415	0	25,051	0	72,052	610,197	409,246	1,116,545
2021	37	13,319	768	2,149	1,504	169	178	7,469	0	3,790	272	27,643	0	53,605	615,625	380,841	1,077,714
Averages:																	
Long Term	131	22,445	128	3,633	408	283	40	9,386	251	3,741	32	40,403	0	69,816	682,645	373,393	1,166,120
3-yr	28	13,166	311	2,228	799	206	105	6,543	147	2,841	91	25,795	0	65,110	571,329	384,799	1,047,032
% Change from:																	
Long Term	-72.7	-41.7	677.2	-41.9	320.1	-41.4	424.2	-21.2	-100.0	1.4	1,175.9	-32.5	#DIV/0!	-24.0	-10.2	2.1	-7.9
3-yr	32.1	1.2	146.7	-3.5	88.3	-18.1	69.5	14.2	-100.0	33.4	200.0	7.2	#DIV/0!	-17.7	7.8	-1.0	2.9
2020	184.6	5.5	362.7	11.7	183.8	122.4	#DIV/0!	6.6	-100.0	56.9	#DIV/0!	10.3	#DIV/0!	-25.6	0.9	-6.9	-3.5

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**Eurasian 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 <sup>a</sup>	AK	CF <sup>b</sup>	MF	AF	U.S.
1999	0	214	0	0	0	0	0	244	0	588	0	1,206	160	0	0	72	1,278
2000	0	239	0	0	0	0	0	257	0	125	0	621	0	109	0	0	730
2001	0	329	0	0	0	0	0	233	0	450	0	1,012	0	48	0	0	1,060
2002	0	507	0	75	69	0	0	288	0	554	0	1,493	0	120	0	0	1,613
2003	0	238	0	0	0	0	0	356	82	75	0	908	157	0	0	93	1,001
2004	0	174	0	0	0	0	0	194	0	168	0	617	81	0	0	0	617
2005	0	0	0	0	0	0	0	96	0	0	0	96	0	0	0	180	276
2006	0	492	0	0	0	0	0	718	207	294	0	1,711	0	173	0	0	1,884
2007	0	876	0	78	0	0	0	800	78	277	0	2,232	123	0	0	0	2,232
2008	0	602	0	0	0	0	0	333	0	194	0	1,129	0	106	0	0	1,235
2009	0	0	0	0	0	0	0	139	0	454	0	593	0	0	0	0	593
2010	0	765	0	0	0	0	0	374	0	756	0	1,895	0	0	0	127	2,022
2011	0	1,178	0	0	0	0	0	356	0	837	0	2,371	0	533	0	0	2,904
2012	0	975	0	0	0	0	0	539	0	890	0	2,513	109	100	0	0	2,613
2013	0	455	0	0	250	53	0	662	100	570	0	2,159	69	92	0	75	2,326
2014	0	760	0	0	0	132	0	211	0	354	0	1,599	142	0	0	0	1,599
2015	0	340	0	0	0	0	0	438	0	328	0	1,106	0	156	0	151	1,413
2016	41	850	0	0	0	0	0	254	0	625	0	1,769	0	0	0	0	1,769
2017	0	681	0	0	0	0	0	269	98	236	0	1,284	0	84	0	0	1,368
2018	0	356	0	0	0	0	0	390	0	281	0	1,027	0	0	0	445	1,472
2019	0	748	0	307	90	0	0	283	73	562	0	2,064	78	118	0	172	2,433
2020	0	287	0	0	0	0	0	243	0	131	0	661	59	0	0	0	719
2021	0	234	0	0	0	0	0	472	0	303	30	1,009	0	30	0	44	1,082
Averages:																	
Long Term	2	491	0	20	18	8	0	354	28	394	1	1,351	43	73	0	59	1,489
3-yr	0	423	0	102	30	0	0	333	24	332	10	1,245	46	49	0	72	1,411
% Change from:																	
Long Term	-100.0	-53.5	#DIV/0!	-100.0	-100.0	-100.0	#DIV/0!	35.3	-100.0	-23.8	#DIV/0!	-26.2	-100.0	-59.7	#DIV/0!	-26.4	-28.2
3-yr	#DIV/0!	-44.7	#DIV/0!	-100.0	-100.0	#DIV/0!	#DIV/0!	41.9	-100.0	-8.7	200.0	-18.9	-100.0	-39.2	#DIV/0!	-38.9	-23.3
2020	#DIV/0!	-18.5	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	94.2	#DIV/0!	131.3	#DIV/0!	52.6	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	50.5

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	83	17,674	155	143	160	519	0	1,353	2,874	3,540	0	26,501	0	24,679	45,348	4,507	101,035
2017	85	15,657	0	149	168	761	0	1,479	2,150	394	68	20,911	0	28,328	40,087	10,693	100,019
2018	93	14,958	0	344	134	1,112	80	1,376	2,603	1,170	0	22,058	0	16,439	30,592	20,733	89,634
2019	0	12,390	0	0	90	1,122	0	1,643	2,833	3,162	0	21,240	0	20,091	29,990	1,579	72,900
2020	240	21,519	0	1,512	663	1,102	51	2,044	3,255	3,002	52	33,440	59	24,310	32,132	7,374	97,316
2021	111	15,889	329	374	301	507	156	4,717	2,639	3,638	60	28,176	0	10,935	19,435	2,776	61,321
Averages:																	
Long Term	349	14,798	31	340	303	580	27	1,510	2,379	1,778	24	22,102	115	21,045	35,978	6,904	86,121
3-yr	117	16,599	110	629	351	910	69	2,801	2,909	3,267	37	27,619	20	18,445	27,186	3,910	77,179
% Change from:																	
Long Term	-69.1	7.7	1,746.4	10.6	-0.6	-13.1	622.5	245.9	11.5	114.9	174.4	29.1	-100.0	-49.2	-47.1	-60.9	-29.7
3-yr	-5.1	-4.3	200.0	-40.5	-14.3	-44.3	126.1	68.4	-9.3	11.3	60.7	2.0	-100.0	-40.7	-28.5	-29.0	-20.5
2020	-53.8	-26.2	#DIV/0!	-75.3	-54.6	-54.0	205.9	130.8	-18.9	21.2	15.4	-15.7	-100.0	-55.0	-39.5	-62.4	-37.0

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	702	4,079	155	643	801	519	0	254	3,396	2,707	0	13,257	0	87,459	60,324	19,741	180,781
2017	466	8,339	434	1,341	251	865	0	807	1,173	1,182	137	14,995	0	84,744	57,348	23,809	180,895
2018	216	7,241	311	688	535	2,002	0	162	2,115	1,872	0	15,636	0	66,056	60,193	25,917	167,310
2019	511	6,735	0	1,382	452	1,710	0	793	3,051	2,951	0	17,586	0	99,773	52,298	19,136	188,793
2020	164	8,799	0	2,337	2,785	988	26	195	5,104	3,002	0	23,399	59	121,440	70,649	18,757	234,304
2021	333	4,323	439	934	401	338	245	0	2,851	2,350	30	11,715	0	25,048	21,623	13,790	72,176
Averages:																	
Long Term	713	7,288	178	1,673	730	982	71	567	4,095	2,203	98	18,597	52	86,836	68,459	14,505	188,363
3-yr	336	6,619	146	1,551	1,213	1,012	90	329	3,669	2,768	10	17,567	20	82,087	48,190	17,228	165,091
% Change from:																	
Long Term	-54.4	-41.8	164.8	-45.3	-46.2	-66.6	286.4	-100.0	-31.3	7.0	-70.3	-38.0	-100.0	-72.1	-69.4	-5.1	-62.7
3-yr	-0.9	-34.7	200.0	-39.8	-66.9	-66.6	171.2	-100.0	-22.3	-15.1	200.0	-33.3	-100.0	-69.5	-55.1	-20.0	-56.3
2020	103.0	-50.9	#DIV/0!	-60.0	-85.6	-65.8	842.3	-100.0	-44.1	-21.7	#DIV/0!	-49.9	-100.0	-79.4	-69.4	-26.5	-69.2

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	117,832	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
2016	2,933	14,275	2,021	2,288	962	808	0	6,089	2,743	18,531	72	50,721	0	66,378	188,185	136,499	441,783
2017	1,228	23,315	1,736	3,278	587	208	0	11,431	1,270	10,405	0	53,457	0	73,595	267,900	104,941	499,893
2018	928	30,865	467	4,216	268	74	402	5,260	2,522	7,177	123	52,247	0	88,344	182,667	123,096	446,408
2019	954	20,539	355	4,300	995	641	412	5,608	1,453	12,999	32	48,288	78	77,279	174,603	73,841	374,088
2020	758	22,285	248	2,474	1,857	456	537	6,277	5,548	12,270	209	52,917	1,468	119,363	161,580	99,697	435,025
2021	1,442	20,095	877	1,028	1,303	1,576	757	10,692	1,689	10,156	211	48,891	442	78,482	146,316	91,023	365,154
Averages:																	
Long Term	2,687	21,790	776	2,492	680	719	180	8,093	2,742	8,918	125	49,165	682	78,552	360,868	116,779	478,872
3-yr	1,051	20,973	493	2,601	1,385	891	569	7,526	2,897	11,808	151	50,032	663	91,708	160,833	88,187	391,422
% Change from:																	
Long Term	-47.4	-8.1	13.6	-59.8	100.1	131.9	393.2	34.1	-39.5	14.6	73.7	-0.6	-36.2	-0.1	-60.5	-22.8	-24.6
3-yr	37.2	-4.2	77.8	-60.5	-5.9	76.9	33.1	42.1	-41.7	-14.0	40.0	-2.3	-33.3	-14.4	-9.0	3.2	-6.7
2020	90.2	-9.8	253.6	-58.4	-29.8	245.6	41.0	70.3	-69.6	-17.2	1.0	-7.6	-69.9	-34.2	-9.4	-8.7	-16.1

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	858	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
2016	289	13,426	0	286	962	0	0	2,537	784	14,575	0	32,858	0	39,731	67,223	23,932	163,745
2017	106	5,956	0	1,192	503	138	0	7,262	977	5,439	0	21,573	653	72,708	185,503	50,424	330,861
2018	186	4,274	0	1,463	1,071	297	0	6,474	4,800	2,730	0	21,963	171	44,579	86,568	45,084	197,696
2019	170	6,569	0	307	995	107	46	7,363	3,777	4,638	32	24,004	391	65,431	75,001	15,647	180,474
2020	114	10,999	0	1,512	2,254	190	0	3,163	3,625	7,832	52	29,740	352	43,769	102,147	31,117	207,125
2021	111	15,072	329	1,775	401	56	22	4,638	1,161	7,958	60	31,282	246	24,769	54,779	21,247	132,322
Averages:																	
Long Term	430	13,163	112	1,377	970	173	35	6,536	3,225	6,836	35	32,916	563	54,706	126,152	53,677	267,949
3-yr	132	10,880	110	1,198	1,217	118	23	5,055	2,854	6,809	48	28,342	330	44,656	77,309	22,670	173,307
% Change from:																	
Long Term	-75.0	15.3	222.0	30.6	-59.7	-68.7	-38.1	-30.0	-65.0	17.3	78.4	-5.2	-57.4	-55.8	-57.7	-61.5	-51.7
3-yr	-15.7	38.5	200.0	48.2	-67.0	-52.4	-2.9	-8.2	-59.3	16.9	25.0	10.4	-25.4	-44.5	-29.1	-6.3	-23.6
2020	-2.6	37.0	#DIV/0!	17.4	-82.2	-70.5	#DIV/0!	46.6	-68.0	1.6	15.4	5.2	-30.1	-43.4	-46.4	-31.7	-36.1

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.



**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	0	11,645	802	2,518	24,812	18,237	58,014
2006	0	862	0	105	166	0	0	6,458	207	4,709	68	12,575	550	2,678	21,454	10,523	47,780
2007	42	4,819	0	549	0	0	0	22,787	310	3,510	122	32,139	613	2,963	21,964	13,154	70,833
2008	97	1,606	0	368	98	0	0	6,320	0	2,722	0	11,211	303	2,656	24,649	10,646	49,465
2009	157	4,196	139	1,061	0	0	24	5,009	106	4,993	0	15,686	587	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	2,421	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	844	3,455	33,680	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
2016	0	2,209	0	214	0	0	0	3,213	0	12,077	0	17,714	934	1,132	34,574	10,507	64,861
2017	0	511	0	0	0	0	0	10,086	195	6,306	0	17,098	1,436	1,757	28,929	18,748	67,969
2018	0	356	0	344	268	0	0	6,960	0	1,872	0	9,800	285	2,352	35,375	28,972	76,784
2019	0	582	0	0	0	0	0	5,721	73	3,865	32	10,272	859	4,050	23,101	14,091	52,374
2020	38	2,391	0	550	265	38	0	6,714	740	3,590	0	14,326	646	2,734	19,366	14,048	51,119
2021	0	1,402	0	0	0	0	0	6,211	0	1,895	0	9,508	639	840	11,739	8,533	31,258
Averages:																	
Long Term	39	3,324	23	489	50	15	1	7,219	195	4,441	12	15,850	714	2,526	25,573	14,300	58,926
3-yr	13	1,458	0	183	88	13	0	6,215	271	3,117	11	11,369	715	2,541	18,069	12,224	44,917
% Change from:																	
Long Term	-100.0	-58.9	-100.0	-100.0	-100.0	-100.0	-100.0	-14.5	-100.0	-58.4	-100.0	-41.1	-10.9	-67.7	-55.2	-41.4	-48.1
3-yr	-100.0	-3.9	#DIV/0!	-100.0	-100.0	-100.0	#DIV/0!	-0.1	-100.0	-39.2	-100.0	-16.4	-10.6	-66.9	-35.0	-30.2	-30.4
2020	-100.0	-41.4	#DIV/0!	-100.0	-100.0	-100.0	#DIV/0!	-7.5	-100.0	-47.2	#DIV/0!	-33.6	-1.1	-69.3	-39.4	-39.3	-38.9

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	131,055
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
2016	537	14,955	0	500	801	692	0	5,919	653	9,578	0	33,637	467	20,787	55,768	88,196	198,855
2017	254	16,337	0	3,427	168	104	0	6,186	489	10,878	68	37,911	1,567	21,319	96,285	77,872	234,954
2018	93	12,583	0	3,098	268	667	80	4,937	3,173	5,539	184	30,625	856	28,602	98,519	121,033	279,631
2019	375	11,059	0	922	271	374	458	3,455	2,469	5,692	159	25,234	1,641	26,482	83,493	73,997	210,846
2020	303	15,877	83	3,436	1,061	114	51	5,693	1,553	13,640	0	41,811	1,820	24,502	119,634	84,609	272,377
2021	111	25,937	548	1,214	301	957	557	7,547	2,006	8,640	30	46,780	639	22,374	53,307	57,797	180,897
Averages:																	
Long Term	776	11,940	65	2,283	431	453	57	8,238	1,938	8,565	121	34,838	1,200	17,965	76,514	73,347	203,764
3-yr	263	17,624	210	1,857	544	482	355	5,565	2,009	9,324	63	37,942	1,367	24,453	85,478	72,134	221,373
% Change from:																	
Long Term	-86.2	129.5	1,186.7	-47.9	-31.2	122.7	1,531.7	-8.7	3.7	0.9	-76.0	36.4	-47.9	25.9	-31.3	-22.0	-11.7
3-yr	-57.8	47.2	160.5	-34.6	-44.7	98.7	56.8	35.6	-0.2	-7.3	-52.4	23.3	-53.2	-8.5	-37.6	-19.9	-18.3
2020	-63.4	63.4	560.2	-64.7	-71.6	739.5	992.2	32.6	29.2	-36.7	#DIV/0!	11.9	-64.9	-8.7	-55.4	-31.7	-33.6

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	785	1,699	0	429	0	1,269	0	254	1,176	208	0	5,820	0	4,702	15,500	9,057	35,079
2017	85	2,893	0	149	0	138	0	807	782	79	0	4,933	0	3,546	7,142	10,983	26,604
2018	371	1,662	0	1,033	0	1,335	0	243	1,953	0	61	6,997	0	5,166	6,721	12,754	31,298
2019	238	3,492	0	768	90	214	46	283	2,978	0	127	8,237	0	10,576	15,506	4,240	38,559
2020	290	2,774	166	0	265	342	0	341	1,923	587	0	6,688	0	10,793	9,392	8,895	35,768
2021	74	3,622	0	0	0	225	134	314	950	303	0	5,489	0	1,792	2,180	2,791	12,252
Averages:																	
Long Term	489	4,237	20	189	146	648	8	349	1,420	176	23	7,714	4	5,548	10,796	10,373	34,416
3-yr	201	3,296	55	256	118	260	60	313	1,950	297	42	6,805	0	7,720	9,026	5,309	28,860
% Change from:																	
Long Term	-85.4	-15.1	-100.0	-100.0	-100.0	-66.3	6,308.7	-10.6	-34.1	78.2	-100.0	-29.8	-100.0	-68.7	-80.5	-74.0	-65.4
3-yr	-63.1	9.9	-100.0	-100.0	-100.0	-13.6	123.3	0.4	-51.3	2.1	-100.0	-19.3	#DIV/0!	-76.8	-75.8	-47.4	-57.5
2020	-74.5	30.6	-100.0	#DIV/0!	-100.0	-34.2	#DIV/0!	-7.9	-50.6	-48.4	#DIV/0!	-17.9	#DIV/0!	-83.4	-76.8	-68.6	-65.7

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	785	6,288	622	3,503	3,205	288	0	1,268	1,437	3,956	144	21,497	1,867	5,265	33,269	10,606	72,505
2017	212	6,297	1,013	11,623	3,016	138	0	672	586	2,326	822	26,705	261	6,686	31,870	9,422	74,944
2018	186	3,799	467	8,432	6,424	0	0	1,214	5,044	961	797	27,551	285	9,252	44,721	9,135	92,835
2019	68	5,904	237	11,672	3,981	160	0	1,699	4,576	1,095	381	29,773	1,016	6,627	27,855	10,390	75,660
2020	126	4,304	331	15,256	9,548	114	204	1,849	4,291	1,064	2,094	39,181	1,116	21,101	27,892	7,140	96,430
2021	0	4,907	768	5,605	2,507	338	379	943	5,384	1,289	91	21,267	442	21,686	21,212	6,621	71,229
Averages:																	
Long Term	404	4,061	727	7,434	3,658	214	99	1,528	4,791	2,963	447	26,303	1,083	8,739	28,728	11,411	76,171
3-yr	65	5,038	445	10,844	5,345	204	194	1,497	4,750	1,149	855	30,074	858	16,471	25,653	8,050	81,106
% Change from:																	
Long Term	-100.0	22.0	5.9	-25.4	-32.4	62.6	336.8	-39.3	13.0	-57.6	-80.4	-19.8	-60.3	166.1	-27.0	-43.1	-6.8
3-yr	-100.0	-2.6	72.5	-48.3	-53.1	65.7	95.0	-37.0	13.3	12.2	-89.4	-29.3	-48.5	31.7	-17.3	-17.8	-12.2
2020	-100.0	14.0	132.0	-63.3	-73.7	196.5	85.8	-49.0	25.5	21.1	-95.7	-45.7	-60.4	2.8	-23.9	-7.3	-26.1

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	0	170	155	286	160	0	0	1,353	131	416	0	2,672	934	36	0	43	3,684
2017	0	0	0	894	0	0	0	269	98	332	205	1,798	2,742	0	0	260	4,800
2018	0	0	0	258	134	0	0	779	163	199	123	1,656	1,198	184	0	60	3,098
2019	0	83	0	307	0	0	0	793	73	76	381	1,713	3,438	90	0	0	5,241
2020	0	96	0	137	530	0	0	195	0	213	419	1,590	1,585	0	0	0	3,175
2021	0	584	0	187	100	0	22	157	317	231	0	1,577	1,131	199	0	147	3,053
Averages:																	
Long Term	10	131	19	640	310	7	1	457	199	525	85	2,419	1,857	266	12	72	4,585
3-yr	0	254	0	210	210	0	7	382	130	173	267	1,627	2,051	96	0	49	3,823
% Change from:																	
Long Term	-100.0	428.1	-100.0	-71.7	-68.7	-100.0	#DIV/0!	-66.6	63.4	-57.1	-100.0	-35.8	-40.1	-26.0	-100.0	112.7	-34.4
3-yr	#DIV/0!	129.6	#DIV/0!	-11.1	-52.4	#DIV/0!	200.0	-58.9	143.8	33.3	-100.0	-3.1	-44.9	106.6	#DIV/0!	200.0	-20.1
2020	#DIV/0!	508.3	#DIV/0!	36.5	-81.1	#DIV/0!	#DIV/0!	-19.5	#DIV/0!	8.5	-100.0	-0.8	-28.6	#DIV/0!	#DIV/0!	#DIV/0!	-3.8

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	0	591	0	0	0	0	0	170	0	2,082	0	2,843	0	0	2,953	18,025	23,821
2017	21	792	0	75	0	35	0	62	0	886	0	1,871	3,332	0	313	19,131	24,647
2018	0	645	0	86	0	0	0	315	0	671	0	1,717	598	0	320	33,539	36,174
2019	0	400	0	0	0	0	0	181	0	458	0	1,038	3,003	0	1,222	31,967	37,231
2020	0	676	0	0	133	0	0	365	0	813	0	1,986	3,118	385	1,270	18,361	25,120
2021	0	586	0	0	0	0	0	168	0	529	60	1,282	595	60	296	24,347	26,581
Averages:																	
Long Term	3	666	4	10	10	11	0	198	15	1,488	3	2,475	1,722	95	1,242	22,709	28,172
3-yr	0	554	0	0	44	0	0	238	0	600	20	1,435	2,239	148	929	24,892	29,644
% Change from:																	
Long Term	-100.0	-12.4	-100.0	-100.0	-100.0	-100.0	#DIV/0!	-15.9	-100.0	-65.5	#DIV/0!	-49.3	-66.5	-37.9	-77.0	7.6	-5.9
3-yr	#DIV/0!	5.8	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	-29.4	#DIV/0!	-11.8	200.0	-10.7	-73.4	-59.6	-68.1	-2.2	-10.3
2020	#DIV/0!	-13.3	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	-54.0	#DIV/0!	-34.9	#DIV/0!	-35.4	-80.9	-84.4	-76.7	32.6	5.8

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	0	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	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	7,393
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
2016	0	0	0	71	0	0	0	21	0	1,041	0	1,134	0	0	1,447	3,848	6,428
2017	0	0	0	0	0	0	0	0	0	609	0	609	833	169	1,689	3,736	7,036
2018	0	0	0	0	0	0	0	0	0	174	0	174	239	134	3,562	2,409	6,517
2019	0	0	0	0	0	0	0	0	73	255	0	327	200	0	1,587	3,540	5,655
2020	0	0	0	137	0	0	0	0	0	155	0	292	1,039	0	3,771	3,141	8,244
2021	0	167	0	0	0	0	0	28	0	33	0	228	1,190	117	2,028	3,808	7,371
Averages:																	
Long Term	2	20	0	14	0	3	0	15	8	690	0	870	897	76	1,794	4,430	7,947
3-yr	0	56	0	46	0	0	0	9	24	148	0	282	810	39	2,462	3,496	7,090
% Change from:																	
Long Term	-100.0	1,184.6	#DIV/0!	-100.0	#DIV/0!	-100.0	#DIV/0!	93.1	-100.0	-95.4	#DIV/0!	-74.7	34.7	57.5	13.7	-14.6	-7.6
3-yr	#DIV/0!	200.0	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	200.0	-100.0	-77.7	#DIV/0!	-19.2	47.0	200.0	-17.6	8.9	4.0
2020	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-78.7	#DIV/0!	-21.9	14.5	#DIV/0!	-46.2	21.2	-10.6

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	17,845	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	0	2,537	16,853	20,530
2006	0	0	0	0	0	0	0	0	0	0	0	0	215	311	619	8,498	9,644
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	127	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
2016	0	0	0	0	0	0	0	0	0	0	0	0	985	162	1,761	17,239	20,147
2017	0	0	0	0	0	0	0	0	0	0	0	0	1,666	0	1,449	10,211	13,326
2018	0	0	0	0	0	0	0	0	0	0	0	0	2,750	0	1,859	30,786	35,394
2019	0	14	0	0	0	0	0	0	0	25	0	39	801	0	316	21,808	22,965
2020	0	85	0	0	0	0	0	0	0	0	0	85	1,701	0	1,704	21,549	25,038
2021	0	0	0	0	0	0	0	0	0	0	0	0	1,586	0	148	10,722	12,456
Averages:																	
Long Term	0	8	0	0	0	0	0	0	0	17	0	49	790	63	991	12,940	14,809
3-yr	0	33	0	0	0	0	0	0	0	8	0	41	1,363	0	723	18,026	20,153
% 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!	-100.0	110.3	-100.0	-85.6	-17.8	-16.5
3-yr	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	-100.0	16.4	#DIV/0!	-79.5	-40.5	-38.2
2020	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	-6.8	#DIV/0!	-91.3	-50.2	-50.3

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.



**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	0	0	0	0	0	0	0	0	0	0	0	0	985	0	10,755	31,852	43,592
2017	0	0	0	0	0	0	0	0	0	55	0	55	1,666	214	13,185	24,862	39,982
2018	0	0	0	0	0	0	0	0	0	0	0	0	120	0	4,164	24,203	28,487
2019	0	0	0	0	0	0	0	0	0	25	0	25	934	0	7,886	27,439	36,284
2020	0	0	0	0	0	0	0	0	0	39	0	39	567	609	20,652	17,081	38,948
2021	0	0	0	0	0	0	0	0	106	0	0	106	3,371	439	7,527	21,975	33,417
Averages:																	
Long Term	3	11	0	28	0	0	0	3	8	142	0	207	487	84	6,516	19,407	26,689
3-yr	0	0	0	0	0	0	0	0	35	21	0	57	1,624	349	12,022	22,165	36,216
% Change from:																	
Long Term	-100.0	-100.0	#DIV/0!	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	2,676.2	-100.0	#DIV/0!	-49.9	846.1	546.9	16.3	13.9	26.7
3-yr	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	200.0	-100.0	#DIV/0!	87.1	107.6	25.7	-37.4	-0.9	-7.7
2020	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	#DIV/0!	171.8	494.5	-27.9	-63.6	28.7	-14.2

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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	0	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
2016	0	0	0	0	0	0	0	0	0	0	0	0	5,907	0	0	68	5,975
2017	0	0	0	0	0	0	0	0	0	0	0	0	2,083	0	0	73	2,156
2018	0	0	0	0	0	0	0	0	0	0	0	0	1,435	0	186	0	1,620
2019	0	0	0	0	0	0	0	0	0	25	0	25	1,135	0	0	0	1,160
2020	0	0	0	0	0	0	0	0	0	19	0	19	472	0	0	0	492
2021	0	0	0	0	0	0	0	0	0	33	0	33	1,784	0	0	0	1,818
Averages:																	
Long Term	0	0	3	6	0	0	0	0	0	45	0	78	1,514	0	41	6	1,615
3-yr	0	0	0	0	0	0	0	0	0	26	0	26	1,130	0	0	0	1,157
% Change from:																	
Long Term	#DIV/0!	-100.0	-100.0	-100.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-27.1	#DIV/0!	-58.6	18.8	#DIV/0!	-100.0	-100.0	13.2
3-yr	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	28.6	#DIV/0!	28.6	57.8	#DIV/0!	#DIV/0!	#DIV/0!	57.2
2020	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	73.7	#DIV/0!	73.7	278.0	#DIV/0!	#DIV/0!	#DIV/0!	269.5

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	207	510	0	500	481	231	0	1,184	522	833	36	4,504	0	438	3,120	7,204	15,266
2017	0	681	145	298	503	104	0	1,210	489	631	68	4,128	0	886	4,156	7,438	16,606
2018	155	950	311	258	0	0	0	650	1,058	985	61	4,427	120	1,041	2,464	5,245	13,296
2019	34	83	118	461	0	53	0	510	508	773	0	2,541	267	181	6,080	7,548	16,617
2020	88	191	248	137	265	114	51	633	962	522	0	3,212	1,984	676	4,493	8,673	19,038
2021	37	351	110	280	401	56	267	550	211	834	30	2,486	991	1,111	2,191	6,741	13,520
Averages:																	
Long Term	203	422	119	353	358	87	54	1,050	921	708	22	4,319	791	970	4,179	7,808	18,009
3-yr	53	208	159	293	222	74	106	564	560	710	10	2,746	1,081	656	4,255	7,654	16,392
% Change from:																	
Long Term	-82.4	-17.5	-7.8	-21.5	12.5	-36.8	504.9	-48.7	-77.9	18.8	36.1	-43.5	26.8	15.3	-48.7	-14.2	-25.8
3-yr	-30.2	68.5	-30.7	-4.3	80.6	-24.7	151.9	-2.5	-62.3	17.5	200.0	-9.5	-8.3	69.4	-48.5	-11.9	-17.5
2020	-58.0	83.8	-55.6	104.4	51.3	-50.9	423.5	-13.1	-78.1	59.8	#DIV/0!	-22.6	-50.1	64.3	-51.2	-22.3	-29.0

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	0	680	0	0	0	0	0	0	131	833	0	1,643	0	972	9,495	8,506	20,616
2017	0	0	0	0	0	0	0	0	489	0	0	489	0	2,416	6,984	8,363	18,252
2018	0	0	0	0	0	0	0	0	81	0	0	81	0	875	4,869	6,606	12,431
2019	0	0	0	0	0	0	0	0	73	0	0	73	667	984	1,836	6,060	9,619
2020	0	0	0	0	0	0	0	0	74	65	0	139	378	3,053	5,106	8,019	16,695
2021	0	234	0	0	0	0	22	157	0	76	0	467	595	420	3,318	5,150	9,950
Averages:																	
Long Term	5	61	0	19	14	6	1	57	256	104	2	546	634	853	5,054	8,630	15,696
3-yr	0	78	0	0	0	0	7	52	49	47	0	226	547	1,486	3,420	6,410	12,088
% Change from:																	
Long Term	-100.0	344.6	#DIV/0!	-100.0	-100.0	-100.0	#DIV/0!	200.2	-100.0	-27.6	-100.0	-15.1	-6.5	-51.9	-35.4	-41.4	-37.6
3-yr	#DIV/0!	200.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	200.0	200.0	-100.0	61.7	#DIV/0!	106.3	8.8	-71.7	-3.0	-19.7	-17.7
2020	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	-100.0	16.9	#DIV/0!	236.0	57.4	-86.2	-35.0	-35.8	-40.4

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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 <sup>a</sup>	AK	CF <sup>b</sup>	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
2016	248	680	0	500	0	173	0	1,015	131	833	0	3,579	0	10,634	50,167	38,323	102,704
2017	42	1,532	0	373	0	104	0	1,614	293	1,261	0	5,218	0	8,268	47,789	33,061	94,336
2018	124	1,306	0	688	535	148	0	1,214	81	936	0	5,033	0	10,703	33,738	31,516	80,990
2019	0	748	0	614	543	107	0	1,303	218	1,686	0	5,220	78	2,321	46,569	31,522	85,709
2020	51	1,148	0	137	530	0	26	924	74	783	0	3,673	0	8,492	50,080	24,235	86,481
2021	74	467	110	374	201	56	67	1,494	106	1,667	0	4,461	49	4,923	38,907	30,916	79,255
Averages:																	
Long Term	77	1,064	26	492	207	72	7	1,481	185	1,356	3	4,962	12	8,184	44,788	33,474	91,413
3-yr	42	788	37	375	425	54	31	1,240	133	1,379	0	4,451	42	5,245	45,185	28,891	83,815
% Change from:																	
Long Term	-4.0	-57.2	401.0	-24.8	-2.9	-22.6	1,594.3	0.9	-43.9	24.3	-100.0	-10.5	370.7	-40.9	-13.6	-8.0	-13.8
3-yr	77.6	-40.7	200.0	-0.3	-52.7	3.1	116.1	20.5	-20.1	20.9	#DIV/0!	0.2	15.7	-6.1	-13.9	7.0	-5.4
2020	45.1	-59.3	#DIV/0!	173.0	-62.1	#DIV/0!	157.7	61.7	43.2	112.9	#DIV/0!	21.5	#DIV/0!	-42.0	-22.3	27.6	-8.4

<sup>a</sup>Pacific Flyway total includes the entire state total of split state (MT) 1999 through 2015, and no split states 2016 through current.

<sup>b</sup>Central Flyway total includes the entire state total of split states (CO, NM, and WY) 1999 through 2015, and all split states (CO, MT, NM, and WY) 2016 through current.

For breakdown of all split states, see Split State Duck Total Table.

**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	3,792,064
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
2016	3,418	145,198	6,135	71,881	17,414	4,424	0	56,654	23,421	67,526	618	396,688	7,795	930,019	1,178,171	739,777	3,252,448
2017	1,815	237,148	9,016	67,665	20,079	4,855	918	55,805	26,979	64,846	545	489,670	9,693	1,086,788	1,349,984	660,695	3,596,833
2018	1,173	198,223	7,213	42,416	14,987	2,574	1,857	61,000	17,039	83,100	1,176	458,600	10,202	704,348	843,927	425,388	2,444,200
2019	3,099	181,254	4,628	70,250	17,692	6,763	3,613	55,701	19,205	69,148	3,545	434,900	9,345	782,438	1,023,160	425,934	2,675,775
2020	1,254	289,530	62,263	52,157	83,524	2,607	4,528	62,972	27,883	73,006	18,134	592,933	7,852	798,089	1,058,748	404,199	2,861,822
2021	2,747	199,448	51,019	48,628	68,671	5,937	3,422	37,446	23,608	61,903	26,705	413,454	6,823	713,584	1,009,434	309,067	2,452,360
Averages:																	
Long Term	2,736	165,585	12,423	63,395	28,396	5,938	2,865	63,931	23,257	69,859	3,953	435,160	8,013	963,194	1,186,272	666,034	3,242,866
3-yr	2,367	223,411	39,303	57,012	56,629	5,102	3,854	52,040	23,565	68,019	16,128	480,429	8,007	764,704	1,030,447	379,733	2,663,319
% Change from:																	
Long Term	0.4	21.6	378.2	-24.1	158.5	0.0	20.5	-42.5	1.6	-11.8	814.9	-5.2	-15.4	-26.8	-15.5	-54.7	-25.2
3-yr	16.1	-10.7	29.8	-14.7	21.3	16.4	-11.2	-28.0	0.2	-9.0	65.6	-13.9	-14.8	-6.7	-2.0	-18.6	-7.9
2020	119.0	-31.1	-18.1	-6.8	-17.8	127.7	-24.4	-40.5	-15.3	-15.2	47.3	-30.3	-13.1	-10.6	-4.7	-23.5	-14.3

**Total goose harvest for states in two flyways by State and Flyway from the Harvest Information Program, 1999–current.**

Year	CO			MT			NM			WY			Total	
	CF	PF	Total	CF	PF	Total	CF	PF	Total	CF	PF	Total	CF	PF
1999	65,200	7,000	72,200	19,400	14,800	34,200	7,000	1,100	8,100	9,400	3,000	12,400	101,000	25,900
2000	9,500	9,700	19,200	35,500	49,500	85,000	7,800	4,600	12,400	25,600	3,200	28,800	78,400	67,000
2001	65,400	5,100	70,500	19,500	28,500	48,000	19,700	1,500	21,200	13,500	1,500	15,000	118,100	36,600
2002	76,100	4,100	80,200	30,900	20,400	51,300	8,900	2,100	11,000	15,500	500	16,000	131,400	27,100
2003	111,500	5,400	116,900	37,700	29,000	66,700	6,600	3,400	10,000	23,400	1,200	24,600	179,200	39,000
2004	72,500	4,000	76,500	27,400	18,100	45,500	4,700	4,200	8,900	20,600	2,200	22,800	125,200	28,500
2005	80,300	6,800	87,100	18,200	20,700	38,900	5,200	2,300	7,500	18,900	1,200	20,100	122,600	31,000
2006	82,900	4,900	87,800	25,500	26,300	51,800	3,900	800	4,700	21,200	1,700	22,900	133,500	33,700
2007	74,400	4,300	78,700	24,200	33,500	57,700	6,500	4,200	10,700	11,900	1,100	13,000	117,000	43,100
2008	93,500	3,500	97,000	16,200	24,600	40,800	2,700	2,000	4,700	22,500	5,000	27,500	134,900	35,100
2009	77,100	17,000	94,100	26,800	19,000	45,800	2,900	2,800	5,700	17,100	4,100	21,200	123,900	42,900
2010	51,700	18,500	70,200	18,300	22,700	41,000	2,000	3,600	5,600	20,500	3,900	24,400	92,500	48,700
2011	31,000	500	31,500	8,500	5,900	14,400	32,000	4,500	36,500	14,900	900	15,800	86,400	11,800
2012	26,100	3,700	29,800	5,300	5,900	11,200	33,300	8,400	41,700	28,500	800	29,300	93,200	18,800
2013	97,100	8,400	105,500	28,800	14,700	43,500	2,400	3,900	6,300	26,700	1,800	28,500	155,000	28,800
2014	102,500	9,900	112,400	46,700	22,100	68,800	8,300	3,200	11,500	15,800	4,800	20,600	173,300	40,000
2015	68,900	11,300	80,200	41,800	31,600	73,400	2,300	3,300	5,600	15,100	77,600	92,700	128,100	123,800
2016	108,700	6,100	114,800	24,800	17,400	42,200	2,100	0	2,100	24,500	600	25,100	160,100	24,100
2017	118,700	9,000	127,700	36,600	20,100	56,700	1,100	900	2,000	35,100	500	35,600	191,500	30,500
2018	70,800	7,200	78,000	38,100	15,000	53,100	8,400	1,900	10,300	19,100	1,200	20,300	136,400	25,300
2019	64,500	4,600	69,100	46,700	17,700	64,400	1,600	3,600	5,200	19,400	3,500	22,900	132,200	29,400
2020	58,700	3,600	62,300	49,300	34,200	83,500	3,900	600	4,500	15,900	2,200	18,100	127,800	40,600
2021	79,800	1,400	81,200	39,300	30,700	70,000	3,500	800	4,300	27,100	1,100	28,200	149,700	34,000
Averages:														
Long Term	73,343	6,783	80,126	28,935	22,713	51,648	7,687	2,770	10,457	20,096	5,374	25,470	130,061	37,639
3-yr	67,667	3,200	70,867	45,100	27,533	72,633	3,000	1,667	4,667	20,800	2,267	23,067	136,567	34,667
% Change from:														
Long Term	9.2	-80.1	1.4	38.1	37.4	37.8	-55.6	-72.0	-59.9	37.0	-80.2	11.3	15.9	-10.1
3-yr	17.9	-56.3	14.6	-12.9	11.5	-3.6	16.7	-52.0	-7.9	30.3	-51.5	22.3	9.6	-1.9
2020	35.9	-61.1	30.3	-20.3	-10.2	-16.2	-10.3	33.3	-4.4	70.4	-50.0	55.8	17.1	-16.3

**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	268,759
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
2016	0	34,885	0	551	0	44	0	6,271	0	1,044	0	42,795	0	75,078	196,416	0	314,288
2017	0	64,098	0	551	0	55	0	4,727	0	218	0	69,648	724	60,034	181,084	726	312,217
2018	51	57,589	0	0	0	0	0	4,408	0	1,488	0	63,535	1,819	43,790	110,739	37	219,919
2019	82	46,221	0	436	110	0	0	7,819	0	263	0	54,931	0	52,089	153,583	152	260,754
2020	52	101,598	0	379	0	38	0	5,199	0	325	62	107,654	1,078	43,015	119,507	485	271,740
2021	0	59,693	178	468	3,380	0	0	5,855	0	450	0	66,619	1,090	33,303	133,643	0	234,655
Averages:																	
Long Term	37	52,875	8	590	176	32	0	3,696	35	732	3	58,039	863	81,712	119,336	108	260,155
3-yr	45	69,171	59	428	1,163	13	0	6,291	0	346	21	76,401	723	42,802	135,578	212	255,716
% Change from:																	
Long Term	-100.0	13.6	#DIV/0!	-21.4	11,200.9	-100.0	#DIV/0!	62.8	-100.0	-39.6	-100.0	15.6	27.8	-60.3	12.6	-100.0	-10.2
3-yr	-100.0	-13.7	200.0	9.4	190.5	-100.0	#DIV/0!	-6.9	#DIV/0!	30.1	-100.0	-12.8	50.8	-22.2	-1.4	-100.0	-8.2
2020	-100.0	-41.2	#DIV/0!	23.5	#DIV/0!	-100.0	#DIV/0!	12.6	#DIV/0!	38.5	-100.0	-38.1	1.1	-22.6	11.8	-100.0	-13.6



**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	87,738	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
2016	911	57,270	0	315	258	221	0	9,406	0	11,486	0	79,867	0	194,850	120,440	25,560	420,717
2017	191	91,867	0	689	566	109	21	4,464	1,867	16,327	0	116,102	0	228,385	134,344	16,611	495,443
2018	204	48,059	0	367	219	99	0	3,740	1,606	30,897	0	85,626	0	84,251	54,342	6,965	230,746
2019	163	61,720	0	0	220	138	0	5,746	2,827	23,306	0	94,120	0	127,708	49,180	17,091	288,099
2020	287	115,337	0	1,707	730	192	0	7,438	2,818	20,870	0	149,380	0	157,263	71,724	11,965	390,331
2021	1,717	88,421	2,489	1,169	768	349	67	8,783	1,063	21,135	139	123,406	287	128,473	89,522	8,531	350,219
Averages:																	
Long Term	378	52,281	108	660	1,705	328	4	5,193	623	10,990	9	72,182	40	222,151	154,499	37,262	482,350
3-yr	722	88,493	830	959	573	226	22	7,322	2,236	21,770	46	122,302	96	137,815	70,142	12,529	342,883
% Change from:																	
Long Term	442.2	74.6	#DIV/0!	83.4	-56.1	6.7	6,919.0	74.6	76.4	100.7	4,996.7	76.7	903.8	-43.3	-43.1	-77.9	-28.3
3-yr	137.7	-0.1	200.0	21.9	34.1	54.2	200.0	19.9	-52.5	-2.9	200.0	0.9	200.0	-6.8	27.6	-31.9	2.1
2020	498.3	-23.3	#DIV/0!	-31.5	5.2	81.8	#DIV/0!	18.1	-62.3	1.3	#DIV/0!	-17.4	#DIV/0!	-18.3	24.8	-28.7	-10.3

**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	0	0	0	0	97	0	8,782	0	29,233	8,836	1,500	48,351
2008	0	13,779	0	131	646	180	0	404	134	0	0	15,274	339	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
2016	684	6,977	0	0	129	0	0	314	0	522	0	8,625	0	30,326	14,531	0	53,482
2017	0	25,107	164	413	0	55	0	394	934	1,197	0	28,263	0	46,841	25,147	254	100,506
2018	102	8,922	0	0	0	0	0	668	268	1,945	0	11,905	0	15,235	3,812	0	30,952
2019	489	12,207	0	0	0	0	0	711	975	1,840	0	16,222	0	24,950	9,783	0	50,955
2020	131	17,979	0	379	209	38	0	1,155	593	5,360	0	25,844	154	29,617	5,477	403	61,496
2021	343	19,773	533	468	0	0	134	3,404	1,063	7,083	0	32,135	115	31,053	12,376	86	75,764
Averages:																	
Long Term	185	13,420	30	111	283	90	6	405	244	961	0	15,706	29	37,505	10,826	408	64,366
3-yr	321	16,653	178	282	70	13	45	1,757	877	4,761	0	24,734	90	28,540	9,212	163	62,738
% Change from:																	
Long Term	93.0	50.6	7,050.0	395.7	-100.0	-100.0	#DIV/0!	1,168.6	412.9	937.2	-100.0	114.8	352.6	-17.8	15.1	-79.7	18.7
3-yr	6.9	18.7	200.0	65.8	-100.0	-100.0	200.0	93.8	21.2	48.8	#DIV/0!	29.9	28.3	8.8	34.3	-47.2	20.8
2020	161.8	10.0	#DIV/0!	23.5	-100.0	-100.0	#DIV/0!	194.7	79.3	32.1	#DIV/0!	24.3	-25.3	4.8	126.0	-78.7	23.2

**Canada Goose harvest<sup>a</sup> 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	5,592	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
2016	1,823	41,280	6,135	71,015	17,027	4,159	0	40,448	23,421	53,253	618	259,179	5,920	628,849	846,784	714,089	2,454,821
2017	1,624	52,876	8,852	66,012	19,513	4,636	897	46,220	24,178	46,804	545	272,157	5,069	751,528	1,009,409	625,704	2,663,867
2018	816	83,139	7,213	42,049	14,768	2,475	1,857	52,223	15,165	47,832	1,176	296,098	5,002	561,072	675,034	418,386	1,928,206
2019	2,365	59,936	4,628	69,814	17,362	6,625	3,613	41,229	15,403	43,282	3,545	267,804	6,588	576,898	810,614	408,592	2,070,496
2020	784	54,616	3,597	49,692	33,055	2,339	579	49,179	24,472	45,801	2,159	266,272	6,466	610,117	861,739	391,061	2,135,655
2021	687	30,406	1,244	46,523	29,650	5,588	805	19,404	21,482	32,153	1,116	189,057	459	520,755	773,893	300,450	1,784,613
Averages:																	
Long Term	2,137	46,195	7,701	62,025	22,563	5,487	2,579	54,599	22,355	56,908	2,143	286,112	5,934	623,566	901,202	626,078	2,430,922
3-yr	1,279	48,319	3,156	55,343	26,689	4,851	1,666	36,604	20,452	40,412	2,273	241,044	4,504	569,257	815,415	366,701	1,996,921
% Change from:																	
Long Term	-68.8	-35.2	-84.4	-25.8	33.3	1.9	-69.7	-65.5	-4.1	-44.6	-49.0	-34.9	-92.6	-17.1	-14.7	-53.1	-27.5
3-yr	-46.3	-37.1	-60.6	-15.9	11.1	15.2	-51.7	-47.0	5.0	-20.4	-50.9	-21.6	-89.8	-8.5	-5.1	-18.1	-10.6
2020	-12.4	-44.3	-65.4	-6.4	-10.3	138.9	39.0	-60.5	-12.2	-29.8	-48.3	-29.0	-92.9	-14.6	-10.2	-23.2	-16.4

<sup>a</sup>In the 2021-22 hunting season, Cackling geese were identified and separated from Canada geese (CAGO) using goose tail measurements. The harvest of Cackling geese (CACK) is now included in it's own table. Split-state (CO, MT, NM, & WY) estimates are for the Pacific Flyway portion.

**Cackling Goose harvest<sup>a</sup> by State and Flyway from the Harvest Information Program, 2021–current.**

Year	AZ	CA	CO	ID	MT	NV	NM	OR	UT	WA	WY	PF	AK	CF	MF	AF	U.S.
2021	0	30,220	178	1,520	154	0	0	15,455	0	16,189	0	63,714	2,351	112,454	6,397	637	185,555
Averages:																	
Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-yr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
% Change from:																	
Long Term	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3-yr	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

<sup>a</sup>In the 2021-22 hunting season, Cackling geese were identified and separated from Canada geese (CAGO) using goose tail measurements. The harvest of Cackling geese (CACK) is now included in this table. Split-state (CO, MT, NM, & WY) estimates are for the Pacific Flyway portion.

Canada and Cackling Geese harvest<sup>a</sup> 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	5,592	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
2016	1,823	41,280	6,135	71,015	17,027	4,159	0	40,448	23,421	53,253	618	259,179	5,920	628,849	846,784	714,089	2,454,821
2017	1,624	52,876	8,852	66,012	19,513	4,636	897	46,220	24,178	46,804	545	272,157	5,069	751,528	1,009,409	625,704	2,663,867
2018	816	83,139	7,213	42,049	14,768	2,475	1,857	52,223	15,165	47,832	1,176	296,098	5,002	561,072	675,034	418,386	1,928,206
2019	2,365	59,936	4,628	69,814	17,362	6,625	3,613	41,229	15,403	43,282	3,545	267,804	6,588	576,898	810,614	408,592	2,070,496
2020	784	54,616	3,597	49,692	33,055	2,339	579	49,179	24,472	45,801	2,159	266,272	6,466	610,117	861,739	391,061	2,135,655
2021	687	60,626	1,422	48,043	29,804	5,588	805	34,859	21,482	48,342	1,116	252,771	2,810	633,209	780,290	301,087	1,970,168
Averages:																	
Long Term	2,137	47,509	7,709	62,091	22,570	5,487	2,579	55,271	22,355	57,612	2,143	288,882	6,036	628,455	901,480	626,105	2,438,990
3-yr	1,279	58,393	3,216	55,850	26,740	4,851	1,666	41,756	20,452	45,808	2,273	262,282	5,288	606,741	817,548	366,913	2,058,773
% Change from:																	
Long Term	-68.8	29.2	-82.2	-23.4	34.0	1.9	-69.7	-38.0	-4.1	-16.7	-49.0	-13.0	-54.5	0.8	-14.0	-53.0	-19.9
3-yr	-46.3	3.8	-55.8	-14.0	11.5	15.2	-51.7	-16.5	5.0	5.5	-50.9	-3.6	-46.9	4.4	-4.6	-17.9	-4.3
2020	-12.4	11.0	-60.5	-3.3	-9.8	138.9	39.0	-29.1	-12.2	5.5	-48.3	-5.1	-56.5	3.8	-9.5	-23.0	-7.7

<sup>a</sup>In the 2021-22 hunting season, Cackling geese (CACK) were identified and separated from Canada geese (CAGO) using goose tail measurements. The harvest of CACK and CAGO are combined in this table, historically and forward. Split-state (CO, MT, NM, & WY) estimates are for the Pacific Flyway portion.

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

Year	CA		OR		WA		PF		AK		Total
	Est.	95% C.I.	Est.	95% C.I.	Est.	95% C.I.	Est.	95% C.I.	Est.	95% C.I.	Est.
1999	2,400	±116%	100	±140%	800	±79%	3,200	±87%	1,400	±99%	4,600
2000	2,700	±111%	100	±194%	200	±124%	3,000	±101%	300	±51%	3,300
2001	700	±107%	50	±188%	1,100	±109%	1,800	±77%	500	±49%	2,300
2002	900	±99%	0		100	±194%	900	±94%	400	±32%	1,300
2003	2,300	±115%	50	±190%	1,500	±92%	3,800	±78%	600	±35%	4,400
2004	800	±81%	0		500	±108%	1,300	±65%	600	±41%	1,900
2005	900	±74%	0		1,100	±62%	2,000	±48%	700	±65%	2,700
2006	2,900	±64%	50	±109%	900	±122%	3,800	±57%	1,200	±73%	5,000
2007	1,800	±88%	50	±194%	100	±195%	1,900	±82%	900	±47%	2,800
2008	1,000	±36%	50	±112%	0		1,000	±36%	1,700	±46%	2,700
2009	900	±37%	100	±76%	1,100	±195%	2,100	±41%	1,100	±36%	3,200
2010	500	±37%	200	±145%	0		800	±49%	2,100	±41%	2,900
2011	700	±50%	50	±110%	300	±101%	1,000	±44%	600	±65%	1,600
2012	900	±31%	50	±196%	300	±79%	1,200	±30%	1,700	±45%	2,900
2013	1,000	±48%	0		800	±85%	1,700	±46%	700	±55%	2,400
2014	2,200	±50%	50	±154%	50	±109%	2,200	±50%	2,400	±42%	4,600
2015	1,500	±84%	0		200	±80%	1,800	±73%	2,400	±72%	4,200
2016	4,800	±79%	200	±196%	1,200	±104%	6,200	±64%	1,900	±48%	8,100
2017	3,200	±73%	0		300	±62%	3,500	±66%	3,900	±64%	7,400
2018	500	±60%	0		800	±55%	1,300	±43%	3,400	±51%	4,700
2019	1,200	±91%	0		200	±67%	1,400	±79%	2,800	±39%	4,200
2020	900	±51%	100	±168%	600	±52%	1,700	±36%	1,900	±43%	3,600
2021	1,200	±75%	0		900	±47%	2,000	±48%	4,900	±43%	6,900
Averages:											
Long Term	1,561		52		567		2,157		1,657		3,813
3-yr	1,100		33		567		1,700		3,200		4,900
% Change from:											
Long Term	-23.9		-100.0		63.0		-7.6		224.7		87.9
3-yr	9.1		-100.0		58.8		17.6		53.1		40.8
2020	33.3		-100.0		50.0		17.6		157.9		91.7

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

Year	Swan Harvest Estimate (expanded)				Swans Examined				Examination Rate <sup>a</sup>				Trumpeter Swans Detected <sup>b</sup>			
	Utah	Nevada	Idaho	Montana	Utah	Nevada	Idaho	Montana	Utah	Nevada	Idaho	Montana	Utah	Nevada	Idaho	Montana
1994	682	88		326	474	79		219	0.695	0.898		0.672	0	0		1
1995	1,578	72		182	348	69		110	0.510	0.958		0.604	3	0		3
1996	1,371	119		302	897	112		181	0.568	0.941		0.599	7	1		3
1997	2,040	131		300	704	118		217	0.513	0.903		0.723	3	0		1
1998	1,564	185		276	1,142	164		168	0.560	0.886		0.609	1	0		3
1999	666	212		226	858	193		153	0.548	0.909		0.677	0	0		7
2000	271	78		217	550	71		203	0.825	0.913		0.935	1	0		3
2001	548	62		289	249	58		244	0.920	0.929		0.844	0	0		0
2002	795	45		167	480	40		141	0.875	0.886		0.846	2	0		3
2003	657	78		119	761	71		92	0.957	0.909		0.774	2	0		3
2004	899	83		254	612	77		203	0.931	0.927		0.799	2	0		6
2005	904	100		284	779	92		231	0.867	0.919		0.812	1	0		14
2006	884	155		169	814	147		135	0.901	0.950		0.798	2	1		7
2007	731	217		306	780	200		245	0.882	0.922		0.802	0	0		8
2008	812	136		199	651	124		175	0.891	0.910		0.878	1	0		1
2009	725	56		292	788	50		243	0.970	0.888		0.832	2	0		9
2010	695	118		209	699	113		173	0.965	0.957		0.826	0	0		10
2011	929	145		247	669	136		206	0.963	0.944		0.833	3	4		12
2012	376	203		294	873	194		235	0.940	0.957		0.799	2	0		30
2013	768	26		239	360	24		193	0.958	0.934		0.807	5	0		17
2014	903	26		167	726	24		143	0.945	0.972		0.854	2	0		12
2015	812	8		264	853	8		229	0.945	0.943		0.867	4	0		14
2016	833	133		222	764	121		187	0.941	0.950		0.841	4	2		17
2017	833	127		112	783	119		96	0.941	0.936		0.854	4	5		5
2018	947	233		121	896	212		92	0.946	0.910		0.760	5	0		11
2019	1188	228		148	1130	212		131	0.951	0.929		0.885	20	3		7
2020	1350	266	18	157	1286	256	15	121	0.953	0.961	0.840	0.773	20	4	1	14
2021	1,072	126	18	266	990	118	17	186	0.924	0.935	0.920	0.701	23	0	11	50
Averages:																
Long Term	923	123	18	227	747	114	16	177	0.849	0.928	0.880	0.786	4.3	0.7	6.0	9.7
3-yr	1,203	207	18	190	1,135	195	16	146	0.943	0.942	0.880	0.786	21.0	2.3	6.0	23.7
% Change from:																
Long Term	17	2	0	18	34	3	13	5	9.129	0.821	9.524	-11.154	546.9	-100.0	1,000.0	510.9
3-yr	-11	-39	0	40	-13	-40	6	27	-1.980	-0.700	4.545	-10.857	9.5	-100.0	83.3	111.3
2020	-21	-53	0	69	-23	-54	13	54	-3.043	-2.676	9.524	-9.314	15.0	-100.0	1,000.0	257.1

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

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

**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	2,300	22,700	32,600	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	12,800	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	3,300	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
2016	900	8,900	0	1,600	1,500	900	8,900	600	23,200	43,100	59,600	12,200	138,200
2017	0	10,300	700	500	1,800	0	3,300	1,800	18,400	16,700	76,000	6,000	117,100
2018	0	34,900	0	50	0	0	12,000	300	47,300	11,600	21,900	2,800	83,600
2019	0	6,166	0	80	2,981	819	10,998	1,282	22,326	12,103	161,319	46,832	242,580
2020	0	6,149	0	144	1,439	871	12,372	1,363	22,338	14,161	97,615	48,554	182,667
2021	226	8,998	3,271	0	377	8,886	5,355	0	27,113	6,607	40,412	14,418	88,551
Averages:													
Long Term	538	17,092	1,616	679	1,056	2,434	7,653	4,345	35,399	22,421	136,702	22,278	216,804
3-yr	75	7,104	1,090	75	1,599	3,525	9,575	882	23,926	10,957	99,782	36,601	171,266
% Change from:													
Long Term	-59.1	-48.5	112.3	-100.0	-65.3	315.2	-31.0	-100.0	-24.2	-71.4	-71.4	-36.3	-60.2
3-yr	200.0	26.7	200.0	-100.0	-76.4	152.1	-44.1	-100.0	13.3	-39.7	-59.5	-60.6	-48.3
2020	#DIV/0!	46.3	#DIV/0!	-100.0	-73.8	920.6	-56.7	-100.0	21.4	-53.3	-58.6	-70.3	-51.5

<sup>a</sup>Some 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
2016	0	200	0	0	0	200	9,700	0	0	10,000
2017	0	400	0	0	50	400	500	6,500	5,300	12,600
2018	0	600	0	0	0	600	1,800	0	0	2,400
2019	0	0	0	0	0	0	8,682	11,016	0	19,698
2020	0	1,010	0	0	0	1,010	1,545	4,399	168	7,122
2021	0	64	0	0	0	64	1,668	3,999	0	5,731
Averages:										
Long Term	15	1,745	25	155	15	1,986	2,361	10,079	679	15,111
3-yr	0	358	0	0	0	358	3,965	6,471	56	10,851
% Change from:										
Long Term	-100.0	-96.5	-100.0	-100.0	-100.0	-96.9	-30.3	-61.4	-100.0	-63.1
3-yr	#DIV/0!	-82.1	#DIV/0!	#DIV/0!	#DIV/0!	-82.1	-57.9	-38.2	-100.0	-47.2
2020	#DIV/0!	-93.7	#DIV/0!	#DIV/0!	#DIV/0!	-93.7	8.0	-9.1	-100.0	-19.5

<sup>a</sup>Some 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	CA	OR	WA	
1999	500	700	0	100	19,300	3,800	--	24,400
2000	2,300	1,700	400	300	12,200	4,100	--	21,000
2001	400	600	600	300	8,300	5,000	--	15,200
2002	1,000	100	600	400	4,200	4,000	--	10,300
2003	1,400	900	400	100	8,000	4,900	1,500	17,200
2004	1,400	500	700	200	14,300	3,300	300	20,700
2005	2,200	100	300	100	11,100	1,400	1,000	16,200
2006	500	600	100	400	12,500	1,500	900	16,500
2007	1,000	900	2,800	200	9,700	1,400	1,700	17,700
2008	1,600	2,500	600	0	27,500	500	2,100	34,800
2009	2,300	1,400	1,300	0	19,300	1,900	1,400	27,600
2010	700	1,500	2,700	200	16,500	1,100	700	23,400
2011	1,000	300	500	100	10,800	900	200	13,800
2012	1,300	1,100	300	100	9,100	1,500	200	13,600
2013	900	50	200	500	4,700	1,600	500	8,450
2014	700	400	200	100	10,700	1,200	200	13,500
2015	500	200	100	50	6,600	600	100	8,150
2016	500	200	200	200	4,400	1,300	200	7,000
2017	100	50	200	0	5,600	500	0	6,450
2018	100	0	100	50	9,000	1,200	1,500	11,950
2019	487	16	52	43	8,406	1,073	206	10,284
2020	73	4	219	46	4,768	1,056	258	6,423
2021	126	41	122	17	3,498	1,874	193	5,871
Averages:								
Long Term	917	603	552	152	10,455	1,987	692	15,238
3-yr	229	20	131	35	5,557	1,334	219	7,526
% Change from:								
Long Term	-86.8	-93.5	-78.6	-89.3	-67.5	-5.9	-73.2	-62.5
3-yr	-44.8	101.7	-6.9	-52.0	-37.1	40.4	-11.9	-22.0
2020	73.8	934.2	-44.2	-63.3	-26.6	77.5	-25.2	-8.6

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

**Mourning Dove harvest<sup>a</sup> 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
2016	395,800	900,200	108,900	32,100	27,200	36,100	61,100	1,561,400	7,334,600	4,606,000	13,502,000
2017	350,700	766,900	108,500	16,000	19,700	29,600	23,700	1,315,000	5,462,800	4,783,300	11,561,100
2018	352,700	892,600	88,800	21,400	13,200	25,300	63,700	1,457,700	4,749,100	4,167,600	10,374,500
2019	235,397	641,590	48,641	25,284	24,186	38,733	46,395	1,060,225	5,266,419	3,656,849	9,983,494
2020	355,940	684,512	32,716	7,579	19,457	26,375	43,475	1,170,053	5,885,731	4,648,333	11,704,118
2021	308,615	660,433	83,036	19,577	20,270	20,272	31,135	1,143,338	4,236,596	3,822,119	9,202,052
Averages:											
Long Term	667,233	940,006	111,204	37,163	48,966	70,890	62,948	1,938,418	7,903,006	7,037,126	16,878,533
3-yr	299,984	662,178	54,797	17,480	21,304	28,460	40,335	1,124,539	5,129,582	4,042,434	10,296,555
% Change from:											
Long Term	-54.9	-30.7	-26.2	-48.4	-59.7	-72.3	-51.6	-42.1	-47.5	-46.8	-46.6
3-yr	2.9	-0.3	51.5	12.0	-4.9	-28.8	-22.8	1.7	-17.4	-5.5	-10.6
2020	-13.3	-3.5	153.8	158.3	4.2	-23.1	-28.4	-2.3	-28.0	-17.8	-21.4

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

**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	3,300	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
2016	69,000	62,300	200	200	131,700	1,518,600	16,900	1,667,100
2017	62,100	47,000	200	100	109,400	1,290,500	25,200	1,425,000
2018	72,000	38,600	50	200	110,800	1,537,300	23,400	1,671,500
2019	52,490	38,563	1,231	95	92,380	1,628,087	27,580	1,748,047
2020	54,898	39,826	580	304	95,608	1,035,545	31,065	1,162,583
2021	51,422	32,469	0	0	83,892	1,336,373	9,650	1,429,914
Averages:								
Long Term	92,118	51,546	453	547	144,577	1,285,074	25,352	1,504,158
3-yr	52,937	36,953	604	133	90,627	1,333,335	22,765	1,446,848
% Change from:								
Long Term	-45.3	-38.1	-100.0	-100.0	-43.1	4.2	-63.0	-5.1
3-yr	-2.9	-12.1	-100.0	-100.0	-7.4	0.2	-57.6	-1.2
2020	-6.3	-18.5	-100.0	-100.0	-12.3	29.1	-68.9	23.0

<sup>a</sup>Some 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
2016	100	3,700	0	100	200	0	200	200	4,600	0	69,100	26,200	18,500	118,400
2017	50	2,600	0	200	200	600	400	300	4,300	0	28,500	5,700	4,000	42,400
2018	0	2,000	0	300	0	100	300	200	2,900	200	70,800	9,000	700	83,600
2019	0	3,492	0	90	290	204	461	439	4,976	0	50,340	31,165	6,232	92,714
2020	0	3,438	0	162	136	250	512	467	4,965	0	39,533	41,892	6,612	93,002
2021	0	1,146	0	395	215	1,782	577	0	4,114	2,681	30,341	7,872	2,918	47,928
Averages:														
Long Term	204	7,255	837	911	224	1,532	489	892	12,324	756	40,866	31,180	10,381	95,454
3-yr	0	2,692	0	216	214	745	517	302	4,685	894	40,071	26,976	5,254	77,881
% Change from:														
Long Term	-100.0	-84.8	-100.0	-57.7	-3.9	17.2	18.9	-100.0	-67.6	301.3	-26.6	-75.6	-72.8	-50.9
3-yr	#DIV/0!	-57.4	#DIV/0!	83.0	0.6	139.1	11.6	-100.0	-12.2	200.0	-24.3	-70.8	-44.5	-38.5
2020	#DIV/0!	-66.7	#DIV/0!	143.6	58.1	613.3	12.6	-100.0	-17.1	#DIV/0!	-23.2	-81.2	-55.9	-48.5

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

Rocky Mountain Population of Sandhill Crane harvest and hunter activity.

YEAR	RMP Cranes harvested									Proportion of all cranes harvested that are RMP								Adult cranes in the harvest (%)										
	AZ	CO	ID	MT	NM	UT	WY	MX	Total	AZ	CO	ID	MT	NM	UT	WY	MX	Average	AZ	CO	ID	MT	NM	UT	WY	MX	Average	
1981	21								21	50.0								50.0	92.86									
1982	9						143		152	12.7								12.7	86.57									
1983	37						154		191	67.3								67.3	87.50									
1984	41						101		142	58.9								58.9										
1985	42						138		180	45.5								45.5	89.23									
1986	24						195		219	17.6								17.6										
1987	62						190		252	32.1					100.0			66.0										
1988	39				310		128		477	18.9					100.0			59.4	100.00								100.00	
1989	46				483	54	125		708	28.8			100.0	100.0				76.3				90.74					90.74	
1990	9				79	35	58		181	7.3			100.0	100.0				69.1	100.00				85.71				92.86	
1991	44				47	48	101		240	20.4			100.0	100.0				73.5	73.15				91.67				82.41	
1992	39				147		168		354	21.9			100.0	100.0				74.0										
1993	61				297	28	115		501	35.1			100.0	100.0				78.4	81.50				92.86				87.18	
1994	27				416	34	150		627	23.9			100.0	100.0				74.6	82.30				91.18				86.74	
1995	33				270	27	78		408	21.0				65.4	100.0	100.0		71.6	81.29			90.40	96.30	85.90			88.47	
1996	27	20			236	32	65		380	19.1	100.0			76.4	100.0	100.0		79.1	83.57	80.00		91.00	84.38				84.74	
1997	22	136			114	30	84		386	11.4	100.0			72.9	100.0	100.0		76.9	77.72	76.47		72.30	90.00	84.50			80.20	
1998	37	120			180	34	94		465	24.5	100.0			76.6	100.0	100.0		80.2	88.74	84.17		97.10	85.30	71.30			85.32	
1999	21	190			198	54	124		587	18.6	100.0			66.4	100.0	100.0		77.0				93.40	87.04	79.00			86.48	
2000	37	193			257	69	159		715	18.2	100.0			71.9	100.0	100.0		78.0		86.53		87.50	89.86				87.96	
2001	26	278		86	288	77	142		897	14.4	100.0	100.0		72.8	100.0	100.0		81.2	85.00	79.14	79.07	82.20	90.91				83.26	
2002	42	194		47	164	60	132		639	17.6	100.0	100.0		73.3	100.0	100.0		81.8		80.93	81.85	89.60	88.33				85.18	
2003	34	146		48	169	57	72		526	18.0	100.0	100.0		55.9	100.0	100.0		79.0			93.75	81.10	87.72	72.20			83.69	
2004	30	143		49	189	53	123		587	15.4	100.0	100.0		55.3	100.0	100.0		78.5	86.24		81.12	87.76	82.70	90.57	76.40		84.13	
2005	50	188		46	236	62	116		698	18.1	100.0	100.0		55.9	100.0	100.0		79.0		81.38	93.48	83.60	87.10	75.00			84.11	
2006	9	236		51	327	87	194		904	4.7	100.0	100.0		58.5	100.0	100.0		77.2		78.39	94.12	81.10	86.21	70.10			81.98	
2007	43	211		68	276	103	138		839	13.8	100.0	100.0		46.6	100.0	100.0		76.7		87.20	91.18	73.70	91.26	76.10			83.89	
2008	24	185		83	379	101	162		934	14.8	100.0	100.0		54.6	100.0	100.0		78.2	86.93	85.40	90.36	79.50	90.10	77.80			85.01	
2009	70	254		116	603	149	195		1,387	18.0	100.0	100.0		64.7	100.0	100.0		80.5		81.89	86.21	82.40	87.25	70.80			81.71	
2010	56	253		98	547	190	182		1,326	18.1	100.0	100.0		58.6	100.0	100.0		79.5		84.98	80.61	82.10	86.32	77.50			82.30	
2011	36	261		84	522	149	161		1,213	19.7	100.0	100.0		57.7	100.0	100.0		79.6	86.75		82.76	73.81	77.30	82.55	77.00		80.03	
2012	81	275		121	417	91	134		1,119	22.1	100.0	100.0		56.6	100.0	100.0		79.8		83.63	82.64	86.50	90.11	76.90			83.96	
2013	38	135		83	241	96	74		667	21.6	100.0	100.0		50.3	100.0	100.0		78.6		91.85	84.34	71.80	92.71	71.60			82.46	
2014	26	134		121	183	73	101		638	11.7	100.0	100.0		53.8	100.0	100.0		77.6	85.82		93.28	82.64	76.70	79.45	73.30		81.87	
2015	67	166		137	145	86	104		705	19.5	100.0	100.0		52.6	100.0	100.0		78.7		87.95	88.32	85.50	87.20	75.00			84.79	
2016	74	258		140	453	72	158		1,155	16.5	100.0	100.0		52.9	100.0	100.0		78.2		87.21	91.42	78.48	90.30	82.86			86.05	
2017	68	198		150	449	192	193		1,250	14.9	100.0	100.0		51.0	100.0	100.0		77.7	82.00	86.36	89.30	74.49	83.33	78.24			82.29	
2018	102	253		154	678	203	189		1,579	14.8	100.0	100.0		64.0	100.0	100.0		79.8		92.88		81.78	91.13	71.96			84.44	
2019	38	166		181	530	130	141		1,186	16.9	100.0	100.0		55.6	100.0	100.0		78.7			81.22	74.92	92.31	80.14			82.15	
2020	61	172		148	170	137	114		802	8.6	100.0	100.0		18.3	100.0	100.0		71.1	100.00		88.00	85.00	75.25	84.70	78.95		85.32	
2021	63	277		163	629	200	194		1,526	8.0	100.0	100.0		59.2	100.0	100.0		77.9	100.00		92.00	84.66	69.83	92.00	80.93		86.57	
Averages:																												
Long term	42		194	104	313	88	135		677	21.5	100.0	100.0		59.2	100.0	100.0		72		87.48		84.94	86.09	81.56	88.64	76.67		85.10
3-yr	54		205	164	443	156	150		1,171	11.2	100.0	100.0		44.3	100.0	100.0		76	100.00		90.00	83.63	73.33	89.67	80.01		84.68	
% Change From:																												
Long term	52.6		45.3	62.1	107.6	137.3	45.6		132.7	(63.2)	-	-		0.0	-	-		9.0	15.1		8.7	(1.7)	(14.9)	3.9	5.8		1.8	
3-yr	16.7		35.1	(0.6)	42.0	28.5	29.6		30.3	(28.1)	-	-		33.5	-	-		2.6	-		2.2	1.2	(4.8)	2.6	1.2		2.2	
2020	3.3		61.0	10.1	270.0	46.0	70.2		90.3	(6.3)	-	-		223.7	-	-		9.5	-		4.5	(0.4)	(7.2)	8.6	2.5		1.5	

Rocky Mountain Population of Sandhill Crane harvest and hunter activity.

YEAR	Crippling-loss rate									Number hunters									
	AZ	CO	ID	MT	NM	UT	WY	MX	Average	AZ	CO	ID	MT	NM	UT	WY	MX	Total	
1981												55						55	
1982												55						55	
1983												77						77	
1984												72						72	
1985												121						121	
1986												124						124	
1987												212				204		416	
1988												228				161		389	
1989						0.0000			0.0000			219			60	170		449	
1990						0.0286			0.0286			139			53	76		268	
1991						0.0000			0.0000			255			70	153		478	
1992												258			0	158		416	
1993						0.0000			0.0000			217			33	130		380	
1994						0.0588			0.0588			227			39	141		407	
1995						0.0741			0.0741			211			132	41	129	513	
1996						0.0313			0.0313			256	26		162	39	126	609	
1997						0.0000			0.0000			235	189		143	42	170	779	
1998						0.0294			0.0294			232	225		167	42	173	839	
1999						0.0926			0.0926			242	295		204	82	189	1,012	
2000						0.0580			0.0580			218	284		211	99	263	1,075	
2001				0.0115		0.0649			0.0382			235	391	142	268	107	248	1,391	
2002				0.0806		0.0833			0.0820			253	215	103	242	86	210	1,109	
2003				0.0400		0.0351			0.0375			248	207	93	273	79	152	1,052	
2004				0.0392		0.0943			0.0668			263	185	90	291	67	174	1,070	
2005				0.0612		0.0645			0.0629			261	216	93	292	76	196	1,134	
2006				0.0556		0.0345	0.0164		0.0355			222	242	114	270	105	305	1,258	
2007				0.0685		0.0874	0.0188		0.0582			254	293	121	324	141	213	1,346	
2008				0.0235		0.0792	0.0391		0.0473			261	206	122	310	174	281	1,354	
2009				0.0492		0.0537	0.0165		0.0398			299	326	149	319	229	303	1,625	
2010				0.0926	0.0803	0.0632	0.0305		0.0666			312	278	155	283	253	328	1,609	
2011			0.109	0.0667	0.1172	0.0336	0.0168		0.0686			312	285	116	325	202	297	1,537	
2012	0.1560		0.058	0.0620	0.1077	0.0220	0.0000		0.0676			343	255	171	266	167	216	1,418	
2013	0.1060		0.036	0.1170	0.0721	0.0000	0.0408		0.0620			269	137	152	249	116	147	1,070	
2014	0.1110		0.05	0.0620	0.1278	0.0411	0.0486		0.0734			266	135	149	186	88	144	968	
2015	0.1530		0.073	0.0610	0.1958	0.0110	0.0183		0.0854			386	185	174	224	122	164	1,255	
2016	0.1040		0.026	0.0410	0.1117	0.0278	0.0765		0.0645			385	263	167	252	105	283	1,455	
2017	0.0561		0.048	0.0740	0.0944	0.0260	0.0398		0.0564			432	261	174	271	295	318	1,751	
2018				0.0703	0.0193	0.1600			0.0832				296		416	268	329	1,309	
2019			0.0427	0.0111	0.1189	0.0299	0.0662		0.0538				247	185	374	199	234	1,239	
2020	0.1093		0.07	0.0200	0.0580	0.0100	0.0339		0.0502			483	212	213	371	195	212	1,686	
2021	0.0370		0.083	0.0429	0.0824	0.0600	0.0443		0.0583			545	307	217	430	329	366	2,194	
Averages:																			
Long term	0.1041		0.0596	0.0540	0.1031	0.0410	0.0417		0.0510			248		237	145	269	121	210	911
3-yr	0.0732		0.0652	0.0247	0.0864	0.0333	0.0481		0.0541			514		255	205	392	241	271	1,706
% Change From:																			
Long term	(67.4)		45.7	(21.3)	(21.5)	48.4	6.9		14.9			126.7		31.1	53.7	63.8	186.6	77.8	149.5
3-yr	(49.4)		27.2	74.0	(4.7)	80.2	(7.9)		7.8			6.0		20.2	5.9	9.8	36.5	35.2	28.6
2020	(66.1)		18.6	114.7	42.1	500.0	30.8		16.1			12.8		44.8	1.9	15.9	68.7	72.6	30.1

Rocky Mountain Population of Sandhill Crane harvest and hunter activity.

YEAR	Hunter days									Hunter success rate								
	AZ	CO	ID	MT	NM	UT	WY	MX	Total	AZ	CO	ID	MT	NM	UT	WY	MX	Average
1981	119								119	0.4900								0.4900
1982	95								95	0.7800								0.7800
1983	152								152	0.5500								0.5500
1984	110								110	0.7400								0.7400
1985	234								234	0.4600								0.4600
1986	217								217	0.6900								0.6900
1987	406						345		751	0.5700					0.9300			0.7500
1988	446						211		657	0.5800					0.8000			0.6900
1989	473						254		727	0.4700					0.9000	0.7400		0.7033
1990	275						129		404	0.5300					0.6604	0.7600		0.6501
1991	517						227		744	0.5400					0.6857	0.6600		0.6286
1992	532						247		779	0.4800					0.0000	1.0600		0.5133
1993	401						213		614	0.5000					0.8485	0.8800		0.7428
1994	464						229		693	0.3200					0.8718	1.0600		0.7506
1995	423						233		656	0.4800					0.6585	0.6000		0.5795
1996	521						265		786	0.3800		0.7692			0.8205	0.5200		0.6224
1997	430	296					318		1,044	0.4700		0.7196		0.8300	0.7143	0.4800		0.6428
1998	450	321					354		1,125	0.4000		0.5333		0.8500	0.8100	0.5400		0.6267
1999	518	467					431		1,416	0.3300		0.6441			0.6585	0.6700		0.5757
2000	389	439					556		1,384	0.5700		0.6796			0.6970	0.6000		0.6366
2001	468	633	202				563		1,866	0.5200		0.7110	0.6056	0.8100	0.7196	0.5700		0.6560
2002	489	426	188				437		1,540	0.5800		0.9023	0.4563	0.8400	0.6977	0.6300		0.6844
2003	497	325	181				348		1,351	0.4800		0.7053	0.5161	0.8000	0.7215	0.4700		0.6155
2004	319	354	174				343		1,190	0.5900		0.7730	0.5444	0.8000	0.7910	0.7100		0.7014
2005	548	504	125			121	431		1,729	0.6600		0.8704	0.4946	0.6400	0.8158	0.5900		0.6785
2006	559	515	202			165	687		2,128	0.5500		0.9752	0.4474	0.8500	0.8286	0.6400		0.7152
2007	442	558	218			234	418		1,870	0.7200		0.7201	0.5620	0.7800	0.7305	0.6500		0.6938
2008	485	465	257			297	562		2,066	0.4800		0.8981	0.6803	0.6100	0.5805	0.5800		0.6381
2009	628	852	284			432	624		2,820	0.6100		0.7791	0.7785	0.8200	0.6507	0.6400		0.7131
2010	690	875	328			461	695		3,049	0.4800		0.9101	0.6323	0.6700	0.7510	0.5500		0.6656
2011	664	891	261	606		333	709		3,464	0.4200		0.9158	0.7241	0.6800	0.7376	0.5400		0.6696
2012	734	671	479	679		340	521		3,424	0.5500		1.0784	0.7076		0.5449	0.6200		0.7002
2013	560	352	382	281		209	342		2,126	0.4200		0.9854	0.5461	0.8800	0.8276	0.5000		0.6932
2014	519	325	335	235		141	276		1,831	0.4800		0.9926	0.8121	0.8900	0.8295	0.7000		0.7840
2015	810	447	430	472		209	375		2,743	0.5100		0.8973	0.7874	0.8900	0.7080	0.6300		0.7371
2016	799	588	439	361		175	666		3,028	0.5700		0.5489	0.8383	0.7143	0.6860	0.5571		0.6524
2017	948	669	357	500		570	814		3,858	0.5800		0.3764	0.8621	0.6650	0.6404	0.6069		0.6218
2018		899		745			850		2,494					0.7500	0.7575	0.5714		0.6930
2019		737		473		620	392		2,752			0.7889	0.4892	0.8200	0.6550	0.6040		0.6714
2020	840	512	641	501			568		3,062	0.5586		0.8100	0.6900	0.6677	0.7030	0.5380		0.6612
2021	957	871	629	600		843	1,101		5,001	0.6578		0.9023	0.7189	0.6437	0.6300	0.5300		0.6805
Averages:																		
Long term	490		560	329	509	328	453		1,612	0.5320		0.7955	0.6447	0.7682	0.7070	0.6494		0.6622
3-yr	899		707	581	574	618	733		3,605	0.6082		0.8337	0.6327	0.7105	0.6627	0.5573		0.6710
% Change From:																		
Long term	100.1		59.3	100.7	20.0	189.3	153.4		227.4	24.4		14.1	12.2	(16.8)	(11.2)	(18.8)		2.8
3-yr	6.5		23.3	8.3	4.6	36.5	50.2		38.7	8.2		8.2	13.6	(9.4)	(4.9)	(4.9)		1.4
2020	13.9		70.1	(1.9)	19.8	#DIV/0!	93.8		63.3	17.8		11.4	4.2	(3.6)	(10.4)	(1.5)		2.9



**Age ratio (juvenile:adult) in the harvest for certain ducks in the Pacific Flyway (excluding Alaska) from the Harvest Information Program Parts Collection Survey, 1965–current.**

Year	MALL	GADW	AMWI	AGWT	BWCT	NSHO	NOPI	WODU	REDH	CANV	GRSC	LESC	RNDU	COGO	BUFF	RUDU
1965	1.88	3.13	2.19	1.24	1.15	2.73	1.98	1.89	3.54	2.87	1.30	2.86	2.18	1.91	1.34	1.61
1966	1.54	1.62	1.88	0.91	1.09	2.20	1.60	1.32	2.42	2.10	2.81	1.60	1.30	1.06	1.08	1.29
1967	1.73	2.60	2.28	1.09	2.01	2.21	1.65	2.21	2.58	1.95	1.44	1.36	3.02	2.39	1.76	0.98
1968	1.04	1.73	1.11	0.74	1.39	1.22	0.67	1.05	1.65	0.82	1.02	2.45	1.14	2.39	1.28	1.03
1969	2.02	3.55	2.38	1.35	1.47	2.99	2.64	1.34	3.07	2.77	1.07	1.06	0.96	2.31	1.30	1.86
1970	1.46	1.95	1.39	0.77	1.73	1.07	1.13	0.86	2.00	1.70	0.62	2.03	1.40	1.10	2.28	1.52
1971	1.44	3.18	1.71	1.16	1.81	1.49	1.05	2.60	1.72	1.55	1.59	1.38	2.14	1.75	0.95	1.30
1972	1.10	1.78	1.36	1.55	1.46	1.57	1.12	1.24	2.19	closed	5.55	1.52	1.28	1.04	0.90	0.97
1973	1.13	1.87	1.46	0.98	0.46	1.43	0.70	2.53	1.41	2.41	2.61	2.16	3.97	1.75	1.43	1.48
1974	1.90	1.75	2.29	1.35	0.94	1.87	1.31	2.14	2.22	2.89	1.00	1.13	1.91	1.88	2.39	2.74
1975	1.60	2.55	2.40	2.13	1.64	1.47	1.30	1.88	2.83	1.59	2.73	2.86	2.02	0.89	2.66	1.17
1976	1.69	1.68	2.00	0.91	1.69	1.58	1.02	1.86	1.88	1.27	3.08	3.20	1.49	1.26	1.69	0.96
1977	1.13	1.08	1.52	0.97	0.82	1.30	0.65	1.59	0.65	0.52	1.02	1.04	1.63	0.78	1.90	0.54
1978	1.80	2.57	2.06	1.30	1.41	1.29	1.76	1.36	3.38	1.32	4.95	3.56	1.18	1.54	2.14	1.30
1979	1.53	2.41	1.74	1.22	1.77	1.86	1.38	3.60	2.95	2.96	3.62	3.71	1.90	3.40	2.24	2.56
1980	1.12	1.68	1.33	1.03	1.52	1.17	0.62	1.44	2.11	1.28	1.47	1.68	1.41	2.21	2.14	0.99
1981	1.00	1.30	0.87	0.87	2.93	0.77	0.60	1.60	1.25	0.72	8.14	1.54	1.41	0.70	1.63	1.89
1982	1.26	1.65	1.02	0.79	1.52	0.93	0.74	2.22	1.91	0.89	0.29	0.87	1.27	0.73	1.74	0.51
1983	1.64	1.64	1.57	1.47	1.51	1.23	1.02	2.52	1.82	2.70	2.79	1.70	1.43	1.69	1.59	1.82
1984	1.25	1.30	1.42	1.04	1.86	1.45	0.89	1.64	0.93	0.68	2.78	1.74	0.91	0.83	2.14	0.91
1985	1.20	1.09	1.97	1.35	1.80	1.87	0.95	1.47	0.98	0.89	1.70	2.23	1.22	1.76	1.62	0.62
1986	1.47	1.73	2.09	1.55	2.24	1.97	1.03	1.43	1.62	0.84	1.54	1.58	1.51	1.57	1.18	2.07
1987	1.08	0.98	1.57	1.13	0.66	1.31	0.77	1.02	1.32	1.34	2.56	1.89	1.40	0.98	1.15	3.47
1988	0.81	1.43	1.23	0.90	1.03	0.94	0.66	0.96	0.65	closed	4.13	1.83	1.46	1.01	1.00	0.66
1989	1.31	1.84	1.40	1.26	1.90	1.67	0.83	2.70	1.36	1.45	3.21	3.16	2.47	0.99	1.10	1.32
1990	1.13	1.37	1.68	1.03	1.22	1.48	0.92	2.74	1.76	1.37	2.22	1.89	1.73	1.80	1.37	0.85
1991	0.84	1.02	0.96	1.18	2.42	1.12	0.79	1.22	1.23	2.71	1.79	2.10	2.24	1.02	1.18	1.96
1992	0.93	1.17	1.06	1.23	1.41	1.23	0.77	1.67	1.00	0.50	2.78	1.01	1.47	1.10	1.08	0.85
1993	1.47	2.02	1.63	1.62	1.38	1.64	1.04	1.43	2.04	0.88	3.47	2.26	1.47	1.07	0.99	0.64
1994	1.25	1.57	1.78	1.13	2.00	1.87	1.26	1.54	1.23	2.18	1.58	1.96	1.94	1.36	1.78	1.24
1995	1.02	1.55	1.37	1.15	1.14	1.48	0.85	1.60	1.56	1.42	2.70	2.23	1.20	0.76	0.97	1.00
1996	1.28	1.50	1.12	1.36	1.84	1.38	1.02	1.25	1.22	1.43	0.91	2.78	1.29	1.00	1.22	0.93
1997	1.52	1.30	1.47	1.50	1.75	2.22	1.62	1.53	1.16	1.89	1.28	1.88	2.54	1.18	1.79	2.16
1998	1.34	1.52	1.12	1.14	1.48	0.76	0.73	1.56	1.65	1.15	0.55	1.12	2.49	0.76	1.14	0.94
1999	0.98	0.98	0.86	1.00	1.00	0.92	0.99	1.26	0.87	0.82	0.57	0.90	1.83	0.49	1.41	0.39
2000	1.05	0.88	0.89	1.05	0.91	0.53	0.73	2.26	0.75	0.74	1.48	1.15	1.50	0.58	0.66	0.90
2001	1.19	0.80	1.02	1.05	1.29	0.66	0.65	1.31	0.50	1.15	0.51	1.64	1.53	0.64	1.33	0.63
2002	1.18	0.99	1.64	1.36	1.09	0.82	0.91	1.24	1.11	closed	0.97	1.60	1.25	1.14	1.11	0.57
2003	1.51	1.41	1.11	1.14	1.50	1.11	0.97	1.57	1.69	1.02	0.72	1.58	1.44	0.71	0.93	1.10
2004	1.43	0.96	1.23	1.28	0.87	1.09	0.69	2.39	1.54	0.65	1.71	1.74	1.46	0.78	1.18	0.64
2005	1.98	1.78	2.05	1.74	1.41	2.05	1.38	2.41	2.11	3.23	1.06	2.11	1.91	0.80	1.13	1.80
2006	1.82	1.13	1.38	1.45	1.07	1.40	0.98	2.06	1.50	1.30	0.56	1.77	1.59	0.98	0.78	1.26
2007	1.23	0.79	1.31	1.22	1.73	1.50	1.03	1.12	1.18	0.99	1.23	1.36	1.49	0.78	1.06	1.49
2008	1.19	0.79	1.09	0.92	0.83	0.70	0.54	1.23	0.52	0.00	1.22	2.57	1.21	1.19	0.71	0.42
2009	1.42	1.03	1.29	1.05	0.63	0.90	0.98	2.08	0.70	1.00	1.19	1.37	1.47	0.88	0.87	1.21
2010	1.63	1.34	1.34	0.87	0.94	1.51	1.24	1.43	1.27	1.37	0.64	1.07	1.75	0.83	1.02	1.92
2011	2.28	1.46	1.76	1.28	1.34	2.21	1.44	1.69	2.46	2.82	0.48	1.29	1.90	1.16	1.31	4.13
2012	1.35	0.84	1.21	0.93	1.14	0.79	0.71	1.36	1.12	0.90	1.06	2.07	2.17	1.11	1.18	1.00
2013	1.25	1.13	1.52	1.35	1.68	1.29	0.98	1.23	1.82	1.57	1.52	1.41	1.61	0.91	0.73	1.62
2014	1.25	1.32	1.58	1.30	1.19	1.35	1.10	1.96	1.39	1.68	1.21	1.82	2.14	0.64	1.10	1.43
2015	1.21	1.00	1.27	1.27	0.74	0.79	0.70	2.18	0.51	0.90	1.31	1.47	2.17	1.20	1.18	1.28
2016	1.25	0.97	0.95	0.90	0.83	0.68	0.77	1.70	0.73	1.03	0.92	1.14	1.27	1.43	0.62	3.21
2017	1.56	1.54	1.22	1.09	1.09	1.16	0.88	2.71	1.67	1.70	1.19	1.82	2.38	0.56	1.44	1.23
2018	0.94	1.09	1.16	0.81	1.30	0.97	0.67	2.03	1.29	1.05	1.41	1.67	1.53	0.94	1.22	2.47
2019	1.13	1.45	1.21	1.10	0.81	0.99	0.99	1.53	3.05	1.23	1.86	2.71	2.93	1.26	1.34	2.48
2020	1.02	0.92	1.10	0.83	0.71	1.11	0.84	1.82	1.53	1.08	1.27	2.18	1.93	0.70	1.19	1.24
2021	0.81	0.52	1.19	0.84	1.31	1.09	0.79	1.17	0.58	0.99	0.70	1.40	3.00	1.18	1.10	1.89
Averages:																
Long Term	1.34	1.51	1.47	1.16	1.37	1.38	1.02	1.73	1.60	1.45	1.84	1.85	1.75	1.21	1.35	1.41
3-yr	0.99	0.96	1.17	0.92	0.94	1.06	0.87	1.51	1.72	1.10	1.28	2.10	2.62	1.05	1.21	1.87
% Change from:																
Long Term	-40.1	-65.8	-19.2	-27.8	-4.3	-20.8	-22.7	-33.1	-64.4	-31.9	-62.6	-24.5	73.2	-2.6	-18.3	35.0
3-yr	-17.7	-45.7	2.0	-8.9	38.9	3.0	-9.4	-22.6	-66.6	-9.8	-45.4	-33.3	14.4	12.5	-9.0	1.1
2020	-20.2	-42.9	8.5	1.3	84.3	-1.2	-6.1	-36.1	-62.5	-7.7	-45.2	-35.8	55.0	67.3	-7.5	52.6

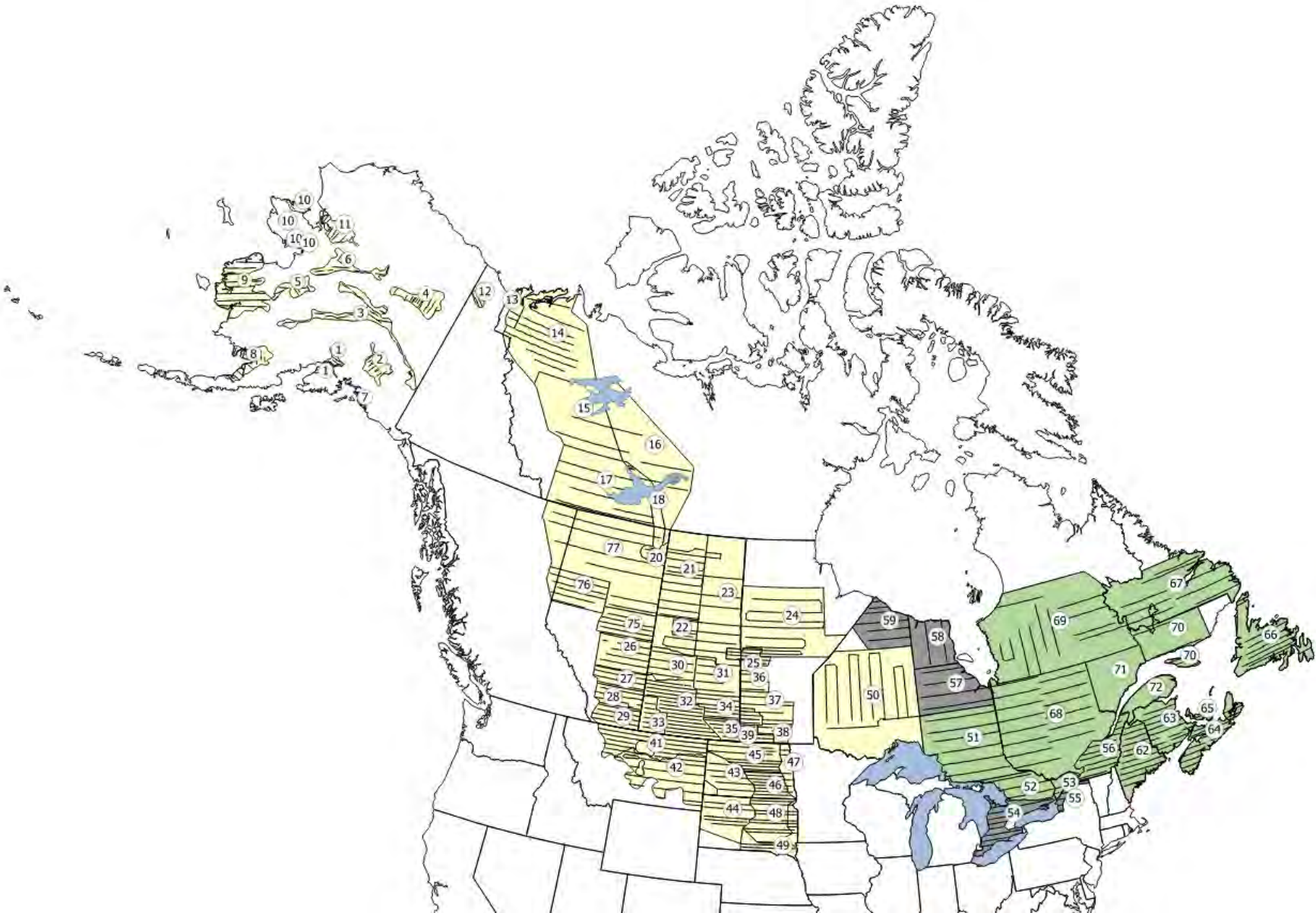
**Age ratio (juvenile:adult) and sample size (n) in the harvest for Snow, Ross's, White-fronted, and Canada geese in the Pacific Flyway (excluding Alaska) and for Emperor geese in Alaska, from the Harvest Information Program Waterfowl Parts Collection Survey, 1965–current.**

Year	Snow <sup>a</sup>		Ross's <sup>ab</sup>		White-fronted <sup>a</sup>		Canada <sup>a</sup>		Pacific Brant <sup>ab</sup>		Emperor <sup>ab</sup>	
	ratio	n	ratio	n	ratio	n	ratio	n	ratio	n	ratio	n
1965	0.16	166			1.05	186	0.30	920	0.38	44		
1966	1.90	582		3	1.52	218	0.36	978	1.45	22		5
1967	0.33	305		2	1.24	266	0.31	966	0.08	26		9
1968	0.59	268			1.50	205	0.38	820	0.05	34		4
1969	0.98	266		8	2.06	207	0.46	750	0.47	28		6
1970	1.52	398		15	1.05	199	0.30	742		1	0.33	20
1971	0.50	387		13	1.44	126	0.32	760		10		6
1972	0.30	84			1.58	96	0.35	796	0.70	29		4
1973	1.61	406		15	0.88	159	0.28	827		10		2
1974	0.08	168	0.19	25	0.63	123	0.20	816		12		13
1975	2.60	298	3.06	22	1.21	130	0.44	908		17		4
1976	1.63	314		17	1.84	94	0.39	629		3	0.83	42
1977	0.66	197		12	2.68	74	0.41	785	0.53	27	0.73	28
1978	0.39	103		7	2.14	112	0.39	1,117		7	0.89	36
1979	0.79	96		14	2.12	61	0.44	1,032		9		14
1980	1.16	148		14	1.59	82	0.35	1,031		8	0.71	36
1981	1.23	352	0.51	35	0.96	109	0.22	1,552	0.19	25		14
1982	0.24	139	1.11	26	0.83	56	0.17	1,235		3		10
1983	1.32	169	0.61	26	0.90	60	0.27	1,561		10		4
1984	0.75	344	3.22	48	0.80	37	0.44	1,407		1		
1985	0.90	389	1.05	50	0.41	59	0.20	1,467				2
1986	0.14	202	0.48	24	0.56	40	0.18	1,241		1		
1987	1.34	224		13	1.03	52	0.18	1,451		3		
1988	0.92	409		11	0.89	52	0.25	2,249				
1989	0.47	328	1.02	56	1.53	89	0.20	2,527		7		
1990	0.82	418	1.01	46	1.34	100	0.20	2,874	0.64	20		
1991	0.31	441	0.26	47	1.46	148	0.20	2,350	0.29	25		
1992	0.41	450	0.83	52	1.64	207	0.14	3,337	0.50	46		
1993	1.29	705	1.29	97	1.61	164	0.16	3,376	0.31	63		
1994	0.17	298	0.58	76	1.23	127	0.42	3,219	0.08	33		
1995	0.55	364	1.20	48	1.02	118	0.22	2,676		10		
1996	0.79	472	1.55	111	0.52	170	0.25	2,585	0.86	32		
1997	0.33	258	0.85	57	1.38	195	0.27	1,994	0.36	43		
1998	1.05	313	1.28	40	1.85	138	0.19	1,786	0.51	70		
1999	0.69	294	1.08	147	1.54	150	0.24	2,286	0.50	24		
2000	0.38	225	0.50	42	0.80	147	0.19	2,736		8		
2001	0.34	290	0.70	74	0.73	141	0.19	2,723	0.55	27		
2002	0.37	405	0.69	96	0.32	201	0.51	2,978		9		
2003	0.86	307	1.25	96	0.53	150	0.71	3,292		14		
2004	0.51	239	0.24	62	0.72	228	0.61	3,010	1.19	23		
2005	1.36	517	0.91	60	1.16	340	0.47	3,136	1.16	30		
2006	0.70	572	0.90	54	0.86	453	0.45	2,832	0.39	57		
2007	0.64	631	0.22	50	0.68	359	0.44	2,992	1.01	92		
2008	0.17	402	0.39	63	0.72	448	0.38	2,585	0.50	74		
2009	0.67	392	0.10	52	1.42	311	0.50	2,537	1.35	134		
2010	0.59	370	0.19	86	0.94	403	0.45	2,418	0.51	68		
2011	0.84	383	0.31	86	0.71	356	0.50	1,688	1.01	47		
2012	0.74	370	0.15	82	0.77	225	0.45	1,580	0.39	94		
2013	0.43	216	0.43	70	0.44	254	0.56	1,821	0.12	80		
2014	0.49	354	0.32	90	0.52	434	0.59	2,305	0.53	115		
2015	0.78	304	0.69	62	1.05	312	0.47	2,074	0.26	75		
2016	0.77	336	0.77	33	0.75	190	0.71	2,026	0.55	102		
2017	0.81	695	0.86	159	0.29	372	0.51	2,036	0.25	44		
2018	0.39	546	0.29	71	0.44	327	0.39	2,121	1.12	22		
2019	0.87	832	0.71	138	0.55	470	0.35	2,246	0.90	16		
2020	0.54	1,056	1.78	202	0.56	677	0.36	2,455	0.91	43		
2021	0.61	800	1.51	229	0.50	405	0.28	1,488	0.30	103		
Averages:												
Long Term	0.75	368.37	0.86	58.04	1.08	203.72	0.35	1,897.00	0.58	36.00	0.70	13.63
3-yr	0.67	896.00	1.33	189.67	0.54	517.33	0.33	2,063.00	0.70	54.00	#DIV/0!	#DIV/0!
% Change from:												
Long Term	-18.9	121.8	79.6	317.8	-54.2	102.4	-21.2	-21.9	-48.4	196.3	-100.0	-100.0
3-yr	-9.2	-10.7	13.2	20.7	-7.3	-21.7	-15.3	-27.9	-56.9	90.7	#DIV/0!	#DIV/0!
2020	13.0	-24.2	-15.2	13.4	-11.2	-40.2	-22.1	-39.4	-66.8	139.5	#DIV/0!	#DIV/0!

<sup>a</sup>Data prior to 1999 from Mail Questionnaire Harvest Survey.

<sup>b</sup>Ratio not shown if based on a sample of less than 20 parts.

# 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, grey = discontinued strata).



Mallard 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 13-18, 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)	W. ON (50)	Total
1955	173,246	1,635,090	1,906,984	410,273	3,317,190	287,171	424,781	280,508	173,706	127,194	41,152	8,777,294
1956	174,466	1,472,958	1,757,634	504,848	4,691,429	403,021	627,975	279,070	199,516	158,004	183,768	10,452,690
1957	160,144	1,045,916	1,986,693	366,311	3,987,910	277,224	712,945	279,487	225,783	185,063	69,412	9,296,888
1958	185,939	1,385,330	2,072,202	514,102	4,533,958	586,439	920,607	280,913	402,371	208,351	144,031	11,234,244
1959	214,046	2,764,253	1,753,018	565,137	2,152,157	349,778	545,446	505,667	162,220	108,239	127,283	9,024,288
1960	159,377	760,753	1,502,358	265,627	2,967,483	243,445	526,169	284,448	288,540	176,576	196,876	7,371,652
1961	284,998	2,303,954	1,330,884	243,517	1,649,689	298,019	331,411	285,897	225,898	212,110	163,578	7,329,954
1962	171,743	1,285,875	983,105	217,203	1,125,920	303,783	193,720	286,960	238,120	367,342	362,134	5,535,905
1963	208,939	1,413,733	1,227,931	249,347	1,551,425	247,835	327,684	287,582	512,813	535,847	185,692	6,748,828
1964	106,147	1,364,808	1,119,407	397,212	1,387,258	231,092	418,015	287,740	271,112	261,100	219,974	6,063,865
1965	189,593	725,018	893,925	429,939	1,069,927	390,232	271,519	363,332	430,225	314,459	53,533	5,131,702
1966	128,491	828,963	1,546,738	359,498	1,975,568	191,860	333,193	489,369	507,131	216,322	154,744	6,731,878
1967	256,758	745,024	1,502,441	884,893	1,888,409	657,305	289,357	320,900	545,034	248,221	171,206	7,509,548
1968	240,929	942,097	911,963	685,672	2,132,153	772,618	197,783	198,498	434,642	450,675	122,208	7,089,238
1969	162,856	705,811	1,121,447	804,434	2,179,962	866,778	356,523	291,273	462,627	443,342	136,562	7,531,615
1970	293,897	941,420	1,594,553	995,521	2,945,486	1,148,041	447,844	311,489	736,613	415,243	155,766	9,985,873
1971	167,149	981,425	1,871,286	541,859	3,407,249	497,077	288,941	273,902	769,304	392,039	226,142	9,416,373
1972	261,877	1,435,377	1,825,320	487,928	2,711,463	382,274	431,017	374,195	673,999	492,991	189,109	9,265,500
1973	245,252	1,047,395	1,729,505	503,600	2,369,095	482,395	233,686	261,261	547,173	432,593	227,248	8,079,202
1974	278,242	822,886	1,576,215	391,694	2,073,786	227,873	341,429	198,227	458,415	276,526	234,860	6,880,153
1975	132,692	1,004,359	1,398,330	414,730	2,449,214	310,156	379,809	478,399	566,489	354,263	238,437	7,226,578
1976	181,397	465,460	1,453,591	634,169	3,044,740	579,185	540,411	167,955	367,999	256,226	242,454	7,933,588
1977	459,778	944,191	853,258	547,034	2,869,326	572,775	254,066	171,021	292,069	186,788	246,755	7,397,061
1978	318,842	951,721	823,488	916,508	1,917,559	628,856	290,484	282,539	506,552	537,335	251,083	7,424,968
1979	275,779	1,084,674	983,127	717,078	2,244,208	622,268	359,782	258,262	641,351	441,717	255,194	7,883,440
1980	399,102	1,164,920	975,156	588,179	2,262,999	562,066	414,664	256,221	485,352	338,864	258,960	7,706,483
1981	476,251	931,305	947,057	557,101	1,509,802	631,753	245,793	189,805	308,640	186,758	262,293	6,409,701
1982	254,727	757,380	765,771	502,446	1,941,081	420,651	419,630	323,534	466,460	291,667	265,128	6,408,475
1983	321,687	1,278,635	845,564	410,502	1,670,142	363,549	354,567	230,068	398,866	314,917	267,511	6,456,007
1984	504,182	715,489	713,044	377,548	1,364,736	218,811	176,720	189,805	550,325	334,941	269,670	5,415,271
1985	219,055	831,328	802,991	309,050	1,173,330	291,016	238,763	151,976	361,377	310,062	271,920	4,960,868
1986	233,539	1,419,972	698,795	291,326	1,542,604	171,796	382,585	156,860	487,789	531,993	206,977	6,124,236
1987	185,802	934,840	753,948	496,980	1,273,327	258,634	249,911	240,889	582,640	556,751	256,054	5,789,776
1988	356,711	1,304,591	627,426	647,899	1,389,229	332,157	273,493	217,998	354,946	374,120	490,771	6,369,341
1989	411,507	961,780	585,874	426,745	951,715	489,303	238,337	282,795	403,974	471,987	421,423	5,645,440
1990	366,933	945,897	778,677	510,374	1,253,692	413,673	292,954	148,364	142,208	183,525	416,088	5,452,385
1991	385,319	905,433	769,227	600,071	1,031,104	451,958	226,481	222,694	261,820	344,556	237,917	5,444,580
1992	345,708	882,323	733,528	497,846	1,293,391	573,396	334,241	239,903	364,119	360,605	351,017	5,976,077
1993	282,983	941,493	753,847	506,686	1,036,406	533,026	243,692	288,604	374,137	491,482	255,939	5,708,293
1994	350,875	734,870	848,784	488,337	1,380,293	653,039	300,840	368,652	900,684	715,853	237,839	6,980,066
1995	524,200	1,010,534	778,457	541,940	1,808,542	565,237	416,244	365,957	1,063,877	919,702	274,725	8,269,415
1996	522,006	676,727	793,817	364,846	2,142,740	286,503	358,512	386,939	1,100,478	839,766	468,980	7,941,315
1997	584,247	1,205,629	883,563	561,148	2,450,765	348,194	436,468	641,219	1,377,709	1,323,164	127,589	9,939,695
1998	836,216	1,054,582	950,114	539,919	2,448,699	250,592	439,468	549,486	1,267,718	1,035,640	267,929	9,640,364
1999	713,054	2,040,801	1,031,842	689,425	2,528,577	322,345	514,435	319,037	1,490,922	1,016,387	138,857	10,805,682
2000	770,333	1,288,093	833,157	474,891	2,266,723	413,433	367,667	304,085	1,482,785	1,108,387	160,656	9,470,212
2001	718,286	979,033	743,759	342,629	1,649,653	158,540	445,965	239,131	1,484,312	1,040,498	102,149	7,903,955
2002	667,339	1,182,336	793,296	468,202	1,212,517	404,834	500,670	185,751	1,247,730	699,279	241,753	7,503,707
2003	843,497	851,810	627,097	375,453	2,110,665	284,152	450,996	279,704	1,051,070	577,518	443,781	7,949,743
2004	811,135	776,385	600,099	362,971	1,609,494	390,372	393,429	262,813	1,152,912	535,664	530,040	7,425,314
2005	703,140	533,133	671,364	270,522	1,728,862	168,360	454,765	177,533	1,070,824	478,504	498,260	6,755,268
2006	515,821	558,073	900,747	326,918	1,831,707	150,157	511,286	348,495	1,247,464	707,311	178,561	7,276,538
2007	581,493	887,452	830,157	295,646	2,155,069	248,192	387,183	319,737	1,399,546	882,490	320,331	8,307,296
2008	532,414	1,079,188	875,215	339,320	1,907,131	250,037	380,904	190,959	1,010,511	701,411	456,719	7,723,809
2009	502,970	1,079,740	753,955	422,127	1,866,899	272,408	417,281	187,216	1,716,724	1,057,129	235,928	8,512,378
2010	605,556	1,423,198	597,692	306,668	1,698,950	149,829	350,824	209,104	1,604,501	1,139,697	344,118	8,430,138
2011	415,825	974,976	938,591	316,456	2,093,040	183,837	521,185	367,036	1,757,278	1,286,307	328,059	9,182,591
2012	505,583	1,547,098	1,260,530	197,874	2,502,082	246,273	401,020	423,239	1,718,486	1,204,964	594,366	10,601,516
2013	338,379	1,020,349	1,141,041	362,745	2,575,586	391,731	448,205	431,852	1,872,567	1,116,414	673,022	10,371,890
2014	500,879	1,757,212	1,443,553	303,596	2,553,334	160,928	601,731	463,744	1,543,249	909,698	661,898	10,899,822
2015	470,915	1,981,061	1,391,683	695,675	3,068,413	548,630	538,152	404,490	1,352,257	707,984	484,060	11,643,321
2016	584,200	2,524,465	1,487,897	652,095	2,784,121	388,987	470,408	283,132	1,189,388	800,278	627,558	11,792,529
2017	538,451	1,836,830	1,290,954	435,274	2,725,103	240,819	587,162	390,704	1,325,095	720,039	398,030	10,488,461
2018	450,750	1,549,853	1,327,872	380,790	2,093,517	376,293	460,480	267,913	1,161,357	666,612	519,716	9,255,153
2019	361,060	1,700,754	971,539	385,196	1,712,412	343,820	441,469	370,111	1,596,512	1,164,303	376,236	9,423,411
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	614,444	1,219,314	669,677	447,491	1,209,679	220,155	477,832	231,883	1,045,699	666,644	420,620	7,223,440
Averages:												
Long Term	389,987	1,159,203	1,089,587	471,501	2,097,738	389,197	398,215	294,566	794,152	559,249	287,010	7,930,404
3-yr	475,418	1,489,973	989,696	404,492	1,671,869	313,423	459,927	289,969	1,267,856	832,520	438,857	8,634,001
% Change from:												
Long Term	58.5	5.3	-39.4	-5.2	-43.1	-43.6	20.4	-21.5	31.9	19.3	47.0	-9.1
3-yr	29.2	-18.2	-32.3	10.6	-27.6	-29.8	3.9	-20.0	-17.5	-19.9	-4.2	-16.3
2019	70.2	-28.3	-31.1	16.2	-29.4	-36.0	8.2	-37.3	-34.5	-42.7	11.8	-23.3

Northern Pintail 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 13-18, 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)	W. ON (50)	Total
1955	662,213	1,161,391	1,591,524	21,000	5,076,494	121,679	213,432	469,606	260,135	197,602	0	9,775,075
1956	676,914	687,713	1,521,459	48,017	6,222,181	12,087	284,112	428,270	283,170	199,278	9,600	10,372,801
1957	399,215	585,165	1,250,631	16,218	3,245,914	19,777	192,281	393,643	303,660	200,382	0	6,606,886
1958	752,478	1,133,922	1,223,870	7,000	1,813,032	23,537	187,395	363,966	330,381	202,340	0	6,037,921
1959	1,051,707	2,583,695	832,648	39,492	775,041	26,262	127,774	338,157	62,756	338,157	9,722	5,842,740
1960	742,531	697,882	1,087,483	10,386	1,665,516	40,593	217,171	315,459	632,667	305,705	6,767	5,722,160
1961	634,899	1,277,718	513,319	96,608	846,659	32,440	97,951	295,328	244,866	175,384	2,986	4,218,159
1962	864,991	447,030	328,585	5,333	581,072	25,124	104,810	279,121	429,630	557,827	0	3,623,524
1963	860,955	307,522	811,931	24,846	823,901	26,675	177,122	267,319	320,684	221,604	3,455	3,846,015
1964	773,552	475,679	417,623	27,249	853,386	32,756	114,949	256,917	230,271	108,845	0	3,291,227
1965	586,251	453,537	777,086	14,150	716,564	20,412	129,038	287,381	478,551	128,948	0	3,591,918
1966	717,673	202,821	1,265,152	22,659	1,504,782	13,342	96,677	262,948	495,296	228,857	1,727	4,811,934
1967	681,344	148,650	1,559,463	12,775	1,671,102	26,918	168,713	277,264	544,897	186,567	0	5,277,693
1968	1,444,503	227,653	501,554	23,754	809,172	52,719	54,594	72,242	169,388	129,066	4,751	3,489,395
1969	645,624	98,275	1,584,537	16,710	1,956,154	86,549	266,267	156,393	693,690	396,592	3,097	5,903,888
1970	733,465	165,221	1,366,414	50,116	2,417,173	99,953	198,759	191,248	831,647	333,346	4,645	6,391,987
1971	452,464	132,797	1,763,054	7,104	2,222,040	65,102	139,535	124,271	690,018	247,793	3,025	5,847,204
1972	898,932	468,661	1,716,409	12,477	2,261,553	18,243	211,972	240,596	749,088	395,438	5,585	6,978,954
1973	1,120,482	378,960	1,025,103	18,301	1,006,310	27,390	73,556	167,738	257,067	275,120	6,193	4,356,220
1974	937,980	320,614	2,123,070	10,475	2,185,998	12,316	301,804	116,837	487,140	99,102	2,847	6,598,182
1975	651,918	442,791	1,553,133	22,807	2,050,332	27,342	162,198	259,226	455,636	218,206	2,781	5,900,370
1976	854,383	267,420	956,502	27,342	2,549,564	21,972	249,401	226,045	208,596	111,709	2,711	5,475,644
1977	1,931,166	551,600	345,799	18,581	672,535	37,196	26,195	118,461	91,100	130,825	2,635	3,925,093
1978	1,011,857	263,202	1,087,568	43,425	961,787	31,321	90,648	348,892	588,480	678,446	2,552	5,108,179
1979	752,148	236,300	1,456,351	12,985	1,579,919	17,960	195,928	324,778	517,345	279,961	2,458	5,376,133
1980	1,816,457	296,128	842,287	14,309	897,591	12,243	68,588	146,576	291,799	119,748	2,351	4,508,077
1981	1,488,696	346,317	657,342	24,776	526,183	29,375	59,014	157,301	135,216	53,035	2,224	3,479,479
1982	788,226	112,303	576,822	14,626	1,222,040	5,094	107,096	306,898	369,370	204,208	2,074	3,708,758
1983	925,329	410,376	380,814	1,420	1,029,352	22,772	97,235	88,288	329,403	223,757	1,895	3,510,642
1984	925,967	460,038	299,777	8,819	492,073	10,847	26,871	99,750	375,459	263,519	1,681	2,964,801
1985	637,131	291,798	593,397	4,591	520,629	4,964	40,786	56,540	198,915	165,314	1,428	2,515,493
1986	882,518	185,630	242,646	10,888	545,934	6,194	120,539	95,893	259,981	389,524	0	2,739,747
1987	959,434	231,444	447,350	11,214	343,843	25,237	56,304	146,019	191,641	212,761	3,097	2,628,344
1988	1,142,541	198,857	171,394	10,358	113,754	5,313	33,566	61,603	149,721	118,415	0	2,005,522
1989	878,625	213,321	313,638	1,869	363,716	8,675	16,783	58,023	108,964	148,288	0	2,111,902
1990	1,102,962	170,079	317,734	7,135	336,665	5,778	55,256	131,150	61,778	63,448	4,645	2,256,630
1991	1,026,244	225,580	116,271	17,483	220,989	10,833	23,785	43,099	49,285	69,816	0	1,803,385
1992	899,710	275,123	103,933	3,163	456,880	15,659	90,449	75,490	112,069	65,662	0	2,098,139
1993	743,329	228,928	372,521	2,858	240,368	3,983	37,524	130,383	126,874	166,650	0	2,053,418
1994	787,540	104,885	383,404	5,547	785,173	7,885	47,704	244,538	375,517	230,075	0	2,972,266
1995	809,938	102,228	198,200	16,427	554,227	23,773	109,443	154,535	424,940	364,156	0	2,757,866
1996	776,099	56,382	333,503	1,944	807,418	1,764	84,460	135,555	351,481	187,257	0	2,735,862
1997	647,490	249,472	472,805	17,698	1,123,865	4,603	64,691	209,306	418,148	349,913	0	3,557,991
1998	945,957	186,398	166,284	5,172	551,839	3,786	63,689	110,902	281,172	205,449	0	2,520,649
1999	1,021,885	182,712	114,998	2,786	875,231	5,973	61,508	131,841	459,058	201,896	0	3,057,888
2000	1,452,235	220,276	188,826	9,598	463,613	6,272	44,686	58,737	262,801	200,516	0	2,907,559
2001	1,426,489	174,979	66,077	3,717	680,017	6,193	97,079	79,030	377,027	385,387	0	3,295,994
2002	941,985	187,162	72,984	1,897	181,841	9,543	31,572	46,953	227,695	88,076	0	1,789,710
2003	848,188	169,798	251,949	2,547	993,374	3,060	39,240	94,951	116,096	39,027	0	2,558,229
2004	927,354	193,399	161,341	6,106	473,686	4,229	39,665	77,921	237,066	63,835	0	2,184,602
2005	905,431	108,257	282,273	7,686	857,542	764	67,944	45,605	212,799	72,231	0	2,560,530
2006	1,041,069	125,819	610,998	1,876	1,023,592	3,975	57,308	181,309	215,751	124,278	0	3,386,425
2007	1,134,655	234,388	324,150	1,218	960,301	4,212	14,908	76,247	316,508	268,716	0	3,335,302
2008	1,249,960	331,197	240,017	3,160	422,765	929	29,409	28,618	147,074	159,711	0	2,612,841
2009	929,569	243,149	171,944	7,565	444,195	12,249	47,846	159,917	746,512	460,363	1,649	3,224,957
2010	1,163,793	338,009	241,683	2,393	331,830	3,250	18,434	70,590	681,825	656,751	0	3,508,558
2011	745,505	121,076	655,024	6,163	1,106,403	3,822	38,479	140,518	1,032,158	579,502	0	4,428,650
2012	1,175,893	78,534	357,036	12,363	605,083	3,480	22,116	106,723	654,673	457,182	0	3,473,083
2013	994,601	234,809	367,741	4,271	824,863	5,267	35,652	50,751	584,544	232,496	0	3,334,993
2014	701,066	317,553	461,002	3,667	739,387	1,505	49,111	109,064	588,093	249,847	0	3,220,296
2015	668,404	638,529	259,839	21,486	719,989	29,194	40,610	107,045	382,115	174,239	1,563	3,043,012
2016	815,822	798,818	167,973	3,590	288,741	10,397	19,358	45,227	291,444	175,509	1,587	2,618,468
2017	756,963	675,067	301,074	3,760	560,615	4,484	30,760	57,429	386,584	110,932	1,563	2,889,231
2018	650,554	497,470	343,870	6,995	268,640	8,427	11,094	110,392	274,118	187,366	6,395	2,365,322
2019	430,591	529,713	133,277	657	163,516	2,709	13,851	223,575	293,889	476,687	0	2,268,466
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	786,186	297,031	69,152	5,964	92,278	300	16,621	28,740	299,050	179,296	8,141	1,782,760
Averages:												
Long Term	905,940	375,140	628,691	13,781	1,070,882	19,071	93,444	167,654	359,921	229,996	1,785	3,866,305
3-yr	622,444	441,405	182,100	4,539	174,811	3,812	13,855	120,903	289,019	281,116	4,845	2,138,849
% Change from:												
Long Term	-13.3	-21.8	-91.3	-57.6	-97.1	-107.3	-84.1	-85.4	-17.1	-22.3	378.6	-55.6
3-yr	26.3	-32.7	-62.0	31.4	-47.2	-92.1	20.0	-76.2	3.5	-36.2	68.0	-16.6
2019	82.6	-43.9	-48.1	808.2	-43.6	-88.9	20.0	-87.1	1.8	-62.4	#DIV/0!	-21.4

Gadwall 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 (13-18, 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)	W. ON (50)	Total
1955	582	1,301	200,319	1,013	359,048	3,831	27,595	57,809	0	0	0	651,497
1956	533	983	269,942	1,015	422,148	0	18,892	59,127	0	0	0	772,639
1957	926	1,566	187,084	0	375,700	5,559	23,559	60,482	11,951	0	0	666,826
1958	121	3,536	219,587	0	136,737	0	34,053	61,664	44,779	1,565	0	502,042
1959	1,106	1,768	275,747	25,705	171,409	9,194	26,280	62,584	13,395	0	2,770	589,959
1960	713	0	369,182	1,013	227,008	354	27,597	63,201	85,151	9,852	0	784,071
1961	95	12,931	279,615	28,593	126,780	15,094	52,821	63,533	56,431	18,938	0	654,832
1962	486	9,104	207,811	7,091	342,747	5,301	38,765	63,648	156,176	73,946	0	905,075
1963	0	1,455	198,773	9,355	319,375	13,791	70,482	64,234	213,813	164,020	0	1,055,298
1964	742	9,781	256,634	8,527	317,564	16,266	54,384	65,577	86,000	53,567	4,331	873,374
1965	133	7,580	200,306	26,426	481,176	15,382	39,122	147,941	226,791	115,418	0	1,260,275
1966	1,392	1,879	479,606	21,157	575,370	9,267	78,826	130,496	269,506	112,942	0	1,680,441
1967	1,243	6,650	415,764	51,344	409,166	15,913	62,038	99,978	216,167	75,134	11,237	1,384,634
1968	86	13,410	491,606	26,183	679,884	50,659	42,690	93,740	352,933	197,764	0	1,948,955
1969	85	4,289	338,981	28,541	463,498	54,015	22,792	94,256	323,122	243,811	0	1,573,390
1970	85	22,685	343,276	13,514	511,537	24,961	50,295	53,286	373,913	214,520	0	1,608,072
1971	85	7,607	362,838	6,618	590,171	21,607	31,316	49,061	372,152	162,221	1,940	1,605,616
1972	85	23,022	444,939	10,066	488,815	27,719	67,088	15,537	353,577	192,095	0	1,622,943
1973	513	16,412	281,022	20,472	451,507	22,547	66,387	11,834	223,219	149,939	1,765	1,245,616
1974	5,343	8,215	495,640	5,588	644,723	9,439	52,797	69,594	213,562	85,538	1,932	1,592,352
1975	903	6,354	303,696	2,957	744,569	13,960	40,137	72,886	330,130	126,365	1,925	1,643,881
1976	552	6,659	308,696	6,709	679,395	8,249	56,163	55,331	76,513	44,577	1,915	1,244,760
1977	83	34,396	392,235	23,172	607,488	18,705	66,910	19,680	103,043	31,383	1,896	1,298,990
1978	2,042	18,044	279,676	5,175	532,861	21,566	44,402	174,820	243,929	233,614	1,859	1,557,988
1979	735	43,567	346,447	4,436	695,477	14,675	66,298	78,607	369,170	136,682	1,798	1,757,892
1980	702	319,614	14,712	474,563	28,218	19,359	63,470	224,308	69,750	113,559	1,711	1,392,884
1981	2,450	61,724	309,430	39,370	409,483	24,578	57,657	119,920	255,598	113,559	1,598	1,395,366
1982	2,081	58,282	215,521	9,130	619,727	14,439	47,725	95,058	381,220	189,116	1,465	1,633,765
1983	1,386	8,326	142,293	14,988	573,312	3,536	49,109	70,961	435,011	218,964	1,324	1,519,210
1984	3,949	37,570	204,445	8,057	411,816	1,768	15,533	38,257	528,762	263,700	1,188	1,515,045
1985	2,252	18,558	164,891	2,218	588,412	10,595	54,735	40,754	274,029	145,467	1,075	1,302,986
1986	0	69,548	226,430	4,436	559,866	10,586	100,438	33,813	287,727	254,295	0	1,547,139
1987	653	42,271	127,093	8,145	539,128	8,827	63,430	32,634	275,941	205,720	1,765	1,305,607
1988	6,004	68,443	256,444	18,780	376,208	17,622	56,534	30,705	294,947	222,476	1,765	1,349,928
1989	4,915	87,357	250,164	6,653	387,935	11,110	60,414	128,519	296,307	177,651	3,529	1,414,554
1990	4,597	106,608	414,419	8,578	539,476	9,548	110,506	56,651	296,014	125,666	0	1,672,063
1991	8,875	81,961	292,740	29,830	507,677	19,589	65,251	96,896	197,924	282,912	0	1,583,655
1992	4,395	99,297	357,967	3,702	626,929	10,419	105,505	154,380	388,658	281,506	0	2,032,759
1993	654	80,421	414,289	11,716	429,562	22,667	78,381	181,524	285,836	246,637	3,535	1,755,222
1994	2,295	83,702	511,707	22,959	639,777	8,741	49,997	182,858	433,302	382,953	0	2,318,290
1995	654	63,768	410,569	20,654	583,604	17,187	81,149	359,305	757,355	541,484	0	2,835,729
1996	5,234	74,219	404,175	4,267	930,116	5,508	100,573	201,746	806,347	451,804	0	2,983,991
1997	1,309	92,728	308,295	12,199	1,155,292	9,147	91,466	513,463	893,804	819,507	0	3,897,210
1998	333	139,045	360,238	4,697	1,342,039	3,098	232,740	932,896	624,152	0	0	3,742,225
1999	4,913	138,519	332,528	4,697	1,028,707	5,194	115,620	205,271	918,433	481,597	0	3,235,478
2000	2,724	99,536	310,857	4,761	649,964	7,045	85,075	125,923	1,236,302	636,223	0	3,158,411
2001	6,543	111,105	256,756	5,916	715,449	8,838	106,253	179,032	780,317	508,947	0	2,679,157
2002	987	161,942	333,366	7,975	359,696	19,196	131,798	87,323	691,545	441,619	0	2,235,449
2003	4,580	75,848	240,943	8,835	1,076,560	17,996	94,085	109,061	597,431	320,154	3,535	2,549,028
2004	1,871	138,332	289,920	13,329	751,787	7,155	147,593	101,302	846,163	290,357	1,768	2,589,577
2005	2,654	77,031	338,207	10,213	723,032	6,818	120,402	94,302	522,396	282,288	1,768	2,179,111
2006	1,873	134,872	455,237	11,305	1,202,361	4,939	125,178	111,214	496,076	281,677	0	2,824,732
2007	3,211	100,073	343,378	5,842	1,317,263	5,821	110,111	165,506	882,677	419,053	2,969	3,355,903
2008	4,000	108,939	420,325	3,005	1,011,218	6,625	116,242	116,242	642,343	302,487	0	2,727,679
2009	2,000	66,629	400,976	4,346	1,043,832	4,472	117,909	141,600	809,828	461,925	0	3,053,516
2010	2,892	50,794	323,152	9,604	913,276	4,747	101,726	195,148	830,779	544,544	0	2,976,662
2011	1,333	40,782	346,517	28,321	1,020,016	4,403	92,232	237,240	905,147	580,951	0	3,256,941
2012	631	56,059	378,294	17,423	1,144,311	11,455	112,570	120,042	1,078,525	664,349	1,957	3,585,615
2013	1,638	33,444	339,544	8,762	1,300,439	4,024	132,648	123,270	841,802	565,789	0	3,351,362
2014	0	43,194	565,034	22,505	1,454,509	2,408	236,345	184,104	818,026	474,066	10,831	3,811,022
2015	2,000	34,379	564,484	0	1,462,822	1,341	204,861	255,726	967,056	336,049	5,359	3,834,078
2016	10,596	107,140	652,911	12,502	1,473,214	1,086	134,792	91,073	751,389	470,089	7,253	3,712,044
2017	1,333	59,176	872,862	3,002	1,495,968	344	125,205	363,324	864,370	390,834	3,573	4,179,991
2018	0	50,717	418,493	1,509	1,218,405	4,403	100,814	270,369	566,542	252,833	1,827	2,885,912
2019	431	77,318	592,184	2,252	1,107,385	2,064	139,691	188,041	623,741	525,603	0	3,258,709
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	17,307	101,343	416,305	2,988	852,440	4,146	142,737	140,945	642,449	340,329	3,722	2,664,711
Averages:	2,196	52,434	345,946	11,649	702,602	11,663	81,554	121,949	458,708	267,166	1,468	2,057,335
Long Term 3-yr	5,913	76,460	475,661	2,249	1,059,410	3,538	127,748	199,785	610,911	372,921	1,850	2,936,444
% Change from:												
Long Term	773.0	94.6	20.6	-73.6	21.6	-64.1	76.3	15.7	40.3	27.5	157.2	29.8
3-yr	192.7	32.5	-12.5	32.8	-19.5	17.2	11.7	-29.5	5.2	-8.7	101.2	-9.3
2019	3,916.3	31.1	-29.7	32.7	-23.0	100.9	2.2	-25.0	3.0	-35.2	#DIV/0!	-18.2

American Wigeon 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 (13-18, 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)	W. ON (50)	Total
1955	73,215	1,559,563	582,304	55,946	620,429	116,496	95,311	61,155	25,076	9,516	17,788	3,216,798
1956	82,309	1,317,909	535,550	22,872	946,174	17,297	122,918	58,996	22,029	8,632	10,303	3,144,990
1957	156,916	1,340,886	535,785	31,814	634,025	19,713	114,992	58,278	19,513	7,854	0	2,919,777
1958	140,750	882,123	548,883	8,450	473,138	54,836	353,060	58,677	24,680	7,126	0	2,551,724
1959	107,890	2,120,472	616,007	37,478	472,625	93,770	247,479	59,940	24,918	7,082	0	3,787,661
1960	132,206	1,623,260	539,938	67,858	365,228	78,673	83,081	61,802	22,750	9,551	3,225	2,987,572
1961	135,235	1,847,208	502,309	93,189	238,029	23,743	117,411	64,044	5,019	6,070	16,009	3,048,266
1962	180,180	925,316	380,146	72,534	150,209	83,126	56,804	66,508	3,847	8,058	32,018	1,958,746
1963	77,248	879,133	315,248	53,309	237,331	82,449	86,458	69,066	16,394	3,058	11,114	1,830,808
1964	118,482	1,404,337	346,277	116,829	310,129	80,950	115,703	71,609	4,552	4,438	16,300	2,589,605
1965	209,044	1,028,090	320,911	100,788	317,687	131,647	130,473	36,761	5,889	0	19,834	2,301,124
1966	247,113	984,964	385,549	108,349	302,129	102,229	98,086	43,186	18,620	9,627	18,523	2,318,376
1967	280,898	545,043	485,275	82,079	649,108	105,194	52,397	63,636	27,864	29,742	4,229	2,325,465
1968	347,587	519,929	467,515	181,472	362,775	185,480	98,620	68,616	8,326	22,594	35,656	2,298,570
1969	337,124	683,029	403,794	163,019	831,660	244,173	111,666	85,841	40,496	30,672	9,961	2,941,435
1970	424,670	959,699	434,256	213,636	819,303	421,815	52,516	92,553	30,012	21,442	0	3,469,903
1971	321,506	871,807	502,040	229,160	951,415	234,569	28,786	58,326	28,113	18,953	28,179	3,272,855
1972	312,247	1,007,952	448,432	146,624	772,341	135,288	108,950	129,826	29,076	99,101	10,265	3,200,102
1973	334,919	1,054,975	394,136	160,161	474,367	143,201	112,370	99,212	36,035	43,665	24,903	2,877,944
1974	456,844	622,402	514,484	75,040	633,168	114,662	87,044	76,826	44,100	16,339	31,065	2,671,974
1975	224,435	767,975	384,299	125,522	893,723	69,968	54,284	110,619	72,828	42,732	31,962	2,778,347
1976	242,239	620,548	344,513	165,686	720,058	104,413	56,285	99,688	62,299	56,633	32,819	2,505,181
1977	487,050	942,452	194,907	141,576	490,684	121,764	25,098	77,050	31,736	29,194	33,619	2,575,130
1978	626,430	1,069,114	303,478	188,084	519,911	199,442	22,592	157,027	69,375	92,671	34,300	3,282,423
1979	563,676	797,780	402,492	168,394	784,147	125,822	60,467	87,888	47,449	33,590	34,790	3,106,495
1980	741,425	1,100,805	403,885	191,291	610,439	176,953	61,201	148,919	84,036	41,505	35,029	3,595,488
1981	859,750	998,245	179,810	203,289	211,695	179,141	34,744	65,228	119,155	59,983	35,003	2,946,043
1982	464,212	694,013	199,965	142,804	594,333	122,055	35,014	89,421	41,511	40,652	34,734	2,458,713
1983	557,362	674,483	170,873	139,114	675,023	157,780	30,392	77,947	45,142	73,838	34,285	2,636,238
1984	658,399	1,349,482	158,359	161,738	322,256	91,086	28,473	72,998	38,651	87,018	33,767	3,002,226
1985	397,779	755,242	177,253	105,947	290,085	95,457	32,847	58,694	58,850	45,219	33,307	2,050,681
1986	476,903	549,000	90,165	106,426	292,326	59,730	39,430	51,961	30,882	39,698	0	1,736,521
1987	462,823	895,317	110,393	118,806	159,427	83,615	20,892	64,869	44,125	45,622	6,641	2,012,530
1988	527,684	925,935	85,486	164,982	194,130	115,763	26,943	44,041	40,791	48,811	36,524	2,211,090
1989	550,813	660,596	95,932	145,742	181,403	172,756	24,848	58,797	15,551	21,610	44,825	1,972,873
1990	536,313	510,948	123,237	144,317	177,271	136,820	31,515	126,212	22,855	27,370	23,243	1,860,101
1991	641,130	788,919	117,898	131,889	234,315	149,186	21,737	70,336	20,931	44,426	33,204	2,253,971
1992	593,239	663,277	170,304	118,841	324,887	112,149	23,848	88,226	44,136	32,931	36,520	2,208,356
1993	537,974	749,843	198,492	135,695	195,205	92,110	13,791	65,479	13,918	17,279	33,200	2,052,985
1994	727,803	479,422	193,154	177,623	261,001	197,723	16,234	137,710	71,431	83,628	36,520	2,382,249
1995	730,022	833,790	179,760	63,617	401,835	129,204	13,513	116,916	91,999	46,771	7,114	2,614,539
1996	818,887	509,622	191,111	73,963	311,817	87,642	33,432	100,224	78,939	47,641	18,429	2,271,706
1997	953,468	1,094,490	190,539	95,864	381,851	88,751	20,463	122,394	83,204	71,349	15,243	3,117,617
1998	1,196,854	744,788	150,303	104,155	305,540	78,779	8,751	92,947	101,008	74,576	0	2,857,701
1999	932,276	1,045,763	179,573	92,475	345,527	103,919	20,042	63,074	69,103	49,104	19,228	2,920,084
2000	1,141,269	721,714	225,193	44,605	253,138	92,068	19,387	57,604	97,976	69,927	10,264	2,733,146
2001	1,105,934	727,918	186,807	47,885	177,290	40,973	18,164	41,592	82,464	53,541	10,979	2,493,549
2002	1,036,394	672,771	77,479	96,663	174,479	100,463	12,726	28,558	87,506	33,037	5,367	2,334,443
2003	1,019,528	850,197	131,605	80,310	218,864	108,457	15,759	30,733	66,315	26,996	2,684	2,551,448
2004	897,213	564,511	116,578	61,236	128,062	82,785	3,441	42,789	56,199	23,104	5,367	1,981,284
2005	873,162	583,480	125,455	78,881	294,242	65,871	34,177	43,626	65,253	31,411	29,520	2,225,079
2006	821,865	569,995	188,566	51,644	282,189	45,641	16,218	70,400	67,829	48,808	8,068	2,171,222
2007	1,113,425	842,715	170,472	55,408	324,796	67,326	8,552	96,069	66,440	41,298	20,288	2,806,791
2008	920,977	819,439	179,790	32,660	372,035	51,685	11,965	30,610	33,452	28,211	5,790	2,486,615
2009	805,221	792,820	132,624	79,758	237,428	61,957	8,847	148,452	111,963	83,785	5,722	2,468,576
2010	1,053,340	597,489	124,301	28,314	192,606	44,771	11,120	129,675	141,937	101,080	0	2,424,633
2011	620,766	650,402	199,617	47,143	281,493	70,677	4,855	79,109	58,788	63,057	8,137	2,084,044
2012	685,887	679,726	234,478	58,769	243,379	65,514	4,916	72,459	56,908	37,026	5,942	2,145,004
2013	577,206	1,100,458	197,263	73,267	369,144	156,407	9,858	26,536	99,925	33,838	401	2,644,303
2014	734,291	1,561,994	224,291	40,093	273,231	23,193	13,599	94,978	118,079	21,942	10,964	3,116,654
2015	541,032	1,505,976	305,498	59,885	251,159	34,112	8,281	149,936	136,020	39,717	5,424	3,037,040
2016	723,962	1,787,571	237,047	32,044	215,369	54,106	4,683	88,048	170,832	92,145	5,506	3,411,312
2017	643,527	1,423,856	187,684	35,754	295,521	27,264	6,379	26,403	87,082	35,462	8,137	2,777,067
2018	597,212	1,326,006	208,146	49,739	271,824	89,155	11,654	106,669	124,982	26,688	8,322	2,820,394
2019	398,134	1,554,990	251,442	31,946	239,871	72,228	12,774	124,739	104,260	39,008	2,712	2,832,105
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	733,950	740,195	157,579	101,477	139,566	92,036	13,476	56,277	44,007	36,756	11,302	2,126,621
Averages:												
Long Term	561,055	946,578	274,499	100,241	389,028	105,576	49,860	78,466	56,294	39,155	17,342	2,618,096
3-yr	576,432	1,207,063	205,722	61,054	217,087	84,473	12,635	95,895	91,083	34,151	7,445	2,593,040
% Change from:												
Long Term	31.0	-22.3	-43.7	1.2	-65.1	-13.0	-74.3	-28.5	-21.9	-6.1	-35.2	-19.1
3-yr	27.3	-38.7	-23.4	66.2	-35.7	9.0	6.7	-41.3	-51.7	7.6	51.8	-18.0
2019	84.3	-52.4	-37.3	217.7	-41.8	27.4	5.5	-54.9	-57.8	-5.8	316.7	-24.9



**American Green-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 (13-18, 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)	W. ON (50)	Total
1955	14,149	973,737	351,266	41,969	359,645	22,728	25,164	18,508	0	0	0	1,807,165
1956	17,723	770,238	182,240	35,572	484,260	0	17,830	17,452	0	0	0	1,525,315
1957	39,427	566,645	186,193	12,349	251,993	0	29,587	16,696	0	0	0	1,102,890
1958	72,550	792,217	205,077	0	182,252	0	74,707	16,124	4,502	0	0	1,347,428
1959	77,855	1,982,535	324,350	64,128	110,034	23,321	45,866	15,698	0	0	9,648	2,653,435
1960	25,347	885,305	262,316	7,449	205,506	4,759	20,183	16,049	0	0	0	1,426,915
1961	47,269	1,152,447	320,587	7,789	101,737	2,463	64,857	16,705	6,762	2,726	5,927	1,729,269
1962	44,115	481,424	63,388	9,479	44,166	28,061	10,703	17,360	0	9,996	14,224	722,916
1963	64,313	893,582	72,773	14,725	73,759	17,475	63,606	17,986	2,180	2,691	19,200	1,242,290
1964	79,696	1,169,305	114,628	46,264	69,109	35,327	4,296	18,556	0	0	24,138	1,561,319
1965	193,203	713,795	117,249	44,022	125,336	29,993	32,519	22,532	3,344	0	0	1,281,993
1966	170,244	939,621	176,110	35,486	114,220	37,818	45,879	18,357	60,886	7,725	10,972	1,617,319
1967	275,091	533,176	174,972	27,254	367,714	61,508	75,090	29,864	26,932	9,565	12,524	1,593,690
1968	315,221	605,463	121,517	30,352	200,706	53,492	42,693	20,513	12,414	23,496	5,029	1,430,896
1969	202,629	257,604	204,538	63,083	408,781	88,287	161,478	8,619	67,046	28,951	0	1,491,016
1970	249,677	400,450	203,628	66,847	801,360	53,771	74,304	28,240	138,647	115,146	50,398	2,182,469
1971	321,359	566,347	263,317	76,134	386,865	72,383	120,819	11,535	23,384	25,358	21,842	1,889,342
1972	198,803	858,748	288,071	61,741	232,246	68,650	107,022	31,733	50,999	42,611	7,601	1,948,224
1973	217,550	728,358	311,867	61,419	331,195	55,053	117,316	51,507	37,957	29,607	7,375	1,949,204
1974	404,302	385,275	404,833	69,859	295,379	56,333	106,519	21,878	74,974	19,069	26,045	1,864,466
1975	108,607	564,923	230,776	67,776	412,817	39,233	63,428	53,108	59,377	37,356	27,441	1,664,842
1976	187,942	271,409	345,644	121,070	356,483	63,027	110,937	13,568	17,377	31,071	28,963	1,547,490
1977	207,933	469,984	151,905	94,235	168,132	106,555	35,361	3,921	7,386	9,778	30,610	1,285,810
1978	278,440	805,050	222,319	201,664	233,804	206,707	116,559	18,230	20,471	38,511	32,355	2,174,210
1979	254,062	789,552	256,774	180,782	315,995	138,946	36,700	40,072	25,418	19,270	34,167	2,071,738
1980	316,496	697,285	224,048	279,141	174,346	122,504	27,532	9,924	92,402	70,177	36,012	2,049,867
1981	516,139	758,757	180,132	109,934	140,851	60,165	37,264	9,085	39,198	21,108	37,868	1,910,501
1982	210,326	770,533	127,493	87,485	112,910	53,492	32,758	13,438	52,629	34,919	39,705	1,535,688
1983	260,505	964,870	136,150	103,254	172,386	74,893	49,448	18,949	16,408	36,623	41,489	1,874,974
1984	310,303	585,300	117,742	87,003	132,664	48,410	34,851	10,635	16,178	21,967	43,184	1,408,237
1985	264,973	673,017	106,661	47,003	179,903	42,836	19,307	6,408	58,920	31,618	44,760	1,475,406
1986	384,256	817,482	78,682	101,142	95,852	47,877	44,307	6,160	20,057	52,065	27,043	1,674,923
1987	362,445	1,127,056	120,282	117,416	85,813	90,026	37,831	6,035	33,525	23,355	2,458	2,006,242
1988	385,197	1,054,156	162,043	142,506	92,656	69,842	24,523	12,043	28,342	25,529	63,920	2,060,757
1989	402,147	956,313	106,049	61,829	115,474	61,499	36,945	17,049	9,537	24,434	50,398	1,841,674
1990	473,763	718,217	132,524	86,187	135,727	88,895	36,815	15,725	26,748	8,510	66,378	1,789,489
1991	546,682	453,658	131,086	132,706	131,756	68,451	30,382	12,409	9,108	16,953	24,585	1,557,776
1992	375,993	547,679	174,434	180,200	135,604	234,428	49,700	16,295	14,135	12,629	31,973	1,773,069
1993	444,632	570,783	175,929	186,918	77,817	155,350	3,176	8,368	9,028	6,576	55,887	1,694,463
1994	562,753	697,422	152,574	104,023	253,233	123,537	18,675	33,966	60,457	55,183	46,625	2,108,448
1995	556,196	749,504	245,312	130,937	271,327	165,082	35,299	30,278	45,897	58,428	12,335	2,300,594
1996	757,644	427,782	314,510	121,228	351,231	98,017	106,427	56,094	90,607	62,967	113,040	2,499,547
1997	512,275	608,084	324,417	148,784	418,509	142,061	69,069	58,109	79,014	69,411	76,851	2,506,585
1998	679,010	657,823	92,234	141,731	271,238	90,617	44,940	13,286	48,427	34,322	13,719	2,087,346
1999	679,434	984,397	190,546	178,339	342,245	85,742	40,652	27,179	55,530	39,132	7,767	2,630,962
2000	946,230	1,282,073	308,129	99,531	294,806	61,822	60,805	16,513	44,427	51,549	27,640	3,193,525
2001	1,028,811	741,645	190,496	87,494	202,321	79,950	31,463	18,053	44,696	69,771	13,957	2,508,656
2002	630,952	928,376	147,019	158,984	127,343	116,814	25,483	40,594	66,254	28,217	63,457	2,333,495
2003	1,035,264	766,994	131,788	146,051	272,568	122,186	48,436	50,154	39,059	26,420	39,576	2,678,494
2004	818,738	835,132	98,430	160,493	124,319	168,988	27,036	56,379	99,613	26,679	45,034	2,460,842
2005	713,019	437,456	158,538	156,801	358,954	136,338	54,984	34,491	40,583	49,371	16,376	2,156,911
2006	780,083	750,950	177,861	187,891	400,578	92,098	65,445	16,946	61,986	30,132	23,247	2,587,219
2007	822,805	862,204	283,152	190,258	495,010	105,728	33,294	28,689	31,623	26,044	11,463	2,890,271
2008	654,724	1,068,313	296,547	156,572	560,608	109,317	47,818	18,975	31,857	18,806	16,195	2,979,731
2009	658,474	1,225,393	175,479	237,529	648,384	146,495	47,842	76,157	157,617	55,682	14,547	3,443,599
2010	954,267	1,464,056	129,694	62,123	398,453	30,642	48,290	25,737	150,254	200,007	12,413	3,475,937
2011	641,361	1,250,642	275,376	76,064	421,959	19,771	55,249	3,907	51,395	74,030	30,342	2,900,096
2012	704,803	1,566,914	274,142	41,341	496,509	59,434	157,449	5,334	58,275	72,292	34,750	3,471,243
2013	451,814	1,228,778	195,500	175,953	575,226	142,551	60,223	4,851	66,269	112,783	39,496	3,053,444
2014	475,046	1,716,318	367,699	58,563	465,804	49,240	76,446	5,593	161,430	54,001	9,756	3,439,896
2015	565,591	2,333,261	327,325	81,516	451,796	45,190	99,075	33,533	96,633	33,210	13,792	4,080,923
2016	778,804	2,337,285	299,756	55,270	467,598	43,977	140,025	14,604	46,737	74,586	16,799	4,275,441
2017	616,665	1,816,126	341,617	91,989	472,348	33,094	74,600	5,799	93,639	48,366	11,034	3,605,276
2018	449,023	1,587,179	189,874	83,647	323,947	60,006	84,775	15,940	102,991	101,562	43,728	3,042,672
2019	416,404	1,680,781	301,495	139,542	277,259	75,193	71,891	19,480	70,876	121,160	4,138	3,178,219
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	330,913	1,074,887	175,228	102,558	236,393	62,555	40,943	66,587	18,142	14,757	47,413	2,170,377
Averages:	417,310	914,122	207,490	98,779	278,747	75,015	56,589	22,493	45,160	37,095	26,358	2,179,159
Long Term	398,780	1,447,616	222,199	108,583	279,200	65,918	65,870	34,002	64,003	79,160	31,760	2,797,089
3-yr												
% Change from:												
Long Term	-20.6	17.9	-15.9	3.9	-15.5	-16.6	-27.7	204.7	-59.3	-59.7	80.9	-0.4
3-yr	-17.0	-25.7	-21.1	-5.5	-15.3	-5.1	-37.8	95.8	-71.7	-81.4	49.3	-22.4
2019	-20.5	-36.0	-41.9	-26.5	-14.7	-16.8	-43.0	241.8	-74.4	-87.8	1,045.9	-31.7

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 (13–18, 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)	W. ON (50)	Total
1955	0	342,817	1,550,238	13,763	2,068,507	44,236	470,599	80,826	229,618	504,634	0	5,305,238
1956	0	292,797	903,759	29,651	2,542,739	34,924	284,709	78,040	295,476	535,551	0	4,997,646
1957	0	40,330	908,556	33,536	1,924,310	7,806	391,256	75,932	357,738	560,035	0	4,299,499
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	1,087,019	54,645	1,247,586	72,507	316,434	413,117	0	5,099,309
1960	0	417,421	877,793	36,762	1,112,769	34,023	699,198	71,024	519,523	524,482	0	4,292,995
1961	0	578,862	897,110	13,763	583,022	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	368,354	68,448	755,185	602,486	0	3,011,051
1963	0	128,013	426,848	169,913	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	358,838	67,258	584,542	686,268	7,355	4,020,614
1965	57	227,581	494,085	78,391	669,095	86,499	284,199	137,534	913,463	703,553	0	3,594,457
1966	0	141,100	533,204	65,252	909,736	72,059	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	313,137	53,249	749,748	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	50,600	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	35,029	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	21,495	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	14,999	5,885,357
1976	0	158,415	820,335	178,403	1,799,610	200,882	654,609	207,086	357,049	351,682	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	318,851	18,337	4,462,839
1978	3,561	385,951	393,236	200,097	902,361	195,656	279,164	93,942	737,375	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	489,317	22,920	4,895,079
1981	4,033	411,820	1,148,075	273,822	781,509	234,584	253,899	81,833	252,751	254,130	24,192	3,720,649
1982	0	234,742	498,144	85,261	605,878	281,391	289,639	210,954	906,330	519,923	25,303	3,657,565
1983	1,453	149,309	419,133	47,704	963,207	105,443	226,642	79,894	545,726	801,767	26,252	3,366,531
1984	4,892	322,463	429,216	119,268	993,592	59,904	171,008	52,091	860,996	938,839	27,059	3,979,328
1985	0	200,587	295,318	197,200	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	871,769	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	1,057	237,540	418,152	232,271	578,438	186,911	176,409	65,896	338,463	860,152	29,966	3,125,255
1990	0	189,374	521,168	95,327	875,476	149,492	268,593	76,256	230,408	346,315	23,973	2,776,382
1991	0	207,047	580,235	225,630	936,689	195,069	208,517	77,726	233,400	1,075,401	23,973	3,763,687
1992	0	314,834	716,094	159,602	1,362,432	268,292	76,989	89,032	401,425	626,420	17,984	4,333,105
1993	2,906	260,586	526,558	217,593	570,072	206,848	269,188	60,325	303,080	679,872	95,912	3,192,940
1994	0	194,189	466,610	84,690	980,162	126,914	92,783	186,418	1,088,794	1,383,613	11,989	4,616,162
1995	2,906	166,120	430,834	43,221	1,088,351	61,573	301,793	94,413	1,463,104	1,468,428	19,268	5,140,010
1996	0	194,521	505,871	38,852	2,046,644	59,910	295,524	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	1,734,589	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	1,338,336	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	1,327,118	859,935	5,995	5,518,162
2004	2,219	400,612	360,165	26,577	1,154,742	33,833	282,315	145,895	1,096,285	570,390	0	4,073,034
2005	2,784	247,373	649,154	61,462	1,597,006	23,807	338,684	144,141	952,998	514,160	53,951	4,585,518
2006	0	315,531	864,306	55,520	2,228,084	26,000	425,609	151,908	1,082,153	710,455	0	5,859,567
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	101,527	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	0	1,363,233	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	2,389,341	2,724,687	0	8,948,451
2012	0	146,926	595,745	9,006	2,607,562	21,804	327,436	188,993	2,926,144	2,398,741	19,910	9,242,268
2013	0	386,098	751,567	12,940	2,758,507	21,476	345,148	124,930	1,807,877	1,517,825	5,299	7,731,668
2014	0	377,388	834,316	22,635	3,109,225	11,077	474,127	238,881	1,837,244	1,624,399	12,245	8,541,534
2015	0	359,937	1,168,852	50,303	3,566,905	7,536	522,495	245,573	1,681,839	907,509	36,350	8,547,299
2016	0	446,683	897,674	70,005	2,103,710	52,345	331,939	154,636	1,471,441	1,148,629	12,299	6,689,361
2017	0	578,858	1,643,941	21,136	2,820,489	7,536	300,000	167,557	1,323,418	1,007,810	18,175	7,888,918
2018	0	489,777	1,171,038	13,017	1,700,196	20,949	340,721	145,665	1,303,013	1,228,903	37,177	6,450,456
2019	0	711,258	706,901	1,449	931,879	3,768	157,593	84,271	1,075,101	1,755,391	0	5,427,612
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	11,164	670,398	453,978	32,536	1,210,274	17,268	350,868	78,989	1,834,946	1,798,931	25,245	6,484,597
Averages:												
Long Term	1,461	298,499	649,316	98,768	1,446,048	107,903	371,311	109,189	1,043,788	987,946	13,347	5,127,576
3-yr	3,721	623,811	777,306	15,668	1,280,783	13,995	283,061	102,975	1,404,353	1,594,409	20,807	6,120,889
% Change from:												
Long Term	739.7	129.3	-31.1	-66.5	-16.6	-83.4	-5.6	-27.9	76.9	83.8	90.4	27.0
200.0												
3-yr		7.5	-41.6	107.7	-5.5	23.4	24.0	-23.3	30.7	12.8	21.3	5.9
2019	#DIV/0!	-5.7	-35.8	2,145.0	29.9	358.3	122.6	-6.3	70.7	2.5	#DIV/0!	19.5

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 (1–12)	N. AB, BC, NT (13–18, 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)	W. ON (50)	Total
1955	2,530	289,199	397,210	4,223	667,073	2,644	54,728	78,979	28,614	117,609	0	1,642,809
1956	2,723	194,706	404,963	1,927	854,377	0	66,519	76,381	58,256	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	73,269	62,870	132,193	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	71,378	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	35,385	124,473	72,463	221,030	225,378	0	1,398,436
1964	11,750	493,763	341,960	50,048	375,309	53,299	119,808	73,827	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	470,839	26,779	809,890	36,402	99,257	83,089	290,403	108,284	0	2,146,961
1967	24,225	142,084	538,540	10,369	807,683	32,131	170,010	98,553	403,759	82,204	5,170	2,314,697
1968	150,176	110,788	394,635	18,861	479,420	30,088	77,178	77,996	194,769	150,576	0	1,684,488
1969	58,347	65,531	433,252	25,358	777,381	36,414	151,188	109,616	304,021	195,675	0	2,156,783
1970	85,431	77,653	329,082	20,884	760,655	49,882	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	65,504	219,386	103,235	457	2,011,420
1972	68,324	197,432	435,736	14,916	921,903	27,250	119,047	61,142	289,856	330,852	0	2,466,458
1973	72,394	167,736	466,095	6,490	538,385	32,391	47,958	47,212	129,743	110,598	0	1,619,001
1974	139,602	135,281	587,970	7,327	705,214	8,541	97,552	58,132	219,535	51,110	1,035	2,011,299
1975	40,928	145,045	550,321	21,744	730,330	21,539	51,295	100,232	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	56,503	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	85,836	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	232,671	388,768	27,920	494,687	19,116	56,678	52,204	181,923	59,261	2,230	1,908,201
1981	622,873	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	152,386	2,597	2,147,638
1983	186,586	83,435	200,299	16,920	792,829	15,033	121,693	61,827	194,267	199,992	2,772	1,875,652
1984	235,308	163,402	187,302	15,568	370,934	19,692	47,806	65,025	273,328	236,942	2,941	1,618,247
1985	176,998	118,511	321,237	8,461	670,984	25,997	76,351	34,083	153,206	113,157	3,107	1,702,092
1986	264,923	237,038	220,715	4,191	538,761	10,570	156,167	69,344	244,685	379,769	2,030	2,128,193
1987	326,707	223,152	330,681	14,673	375,780	34,286	87,331	73,160	255,490	226,887	2,030	1,950,177
1988	404,050	258,445	165,576	54,233	428,308	33,997	99,826	33,692	118,426	84,367	0	1,680,920
1989	294,518	271,973	227,934	10,834	243,769	28,692	56,016	58,557	158,666	185,353	2,030	1,538,342
1990	361,987	261,932	322,514	24,936	447,811	26,169	77,326	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	51,502	75,225	117,215	6,091	1,716,185
1992	365,876	284,670	241,407	50,484	571,923	58,291	137,890	27,117	114,706	102,008	0	1,954,371
1993	448,826	263,221	421,143	18,791	327,371	25,341	60,507	92,724	175,132	213,413	0	2,046,469
1994	499,960	166,712	421,445	27,988	737,458	30,176	42,640	194,320	507,801	283,523	0	2,912,021
1995	464,560	127,581	267,573	36,547	763,877	49,341	140,376	81,359	573,623	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	90,476	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	188,300	0	2,318,192
2003	670,867	318,274	448,369	2,492	1,437,742	7,576	123,026	158,490	321,499	131,238	0	3,619,573
2004	642,604	246,511	384,649	14,708	783,624	16,079	142,871	125,633	350,840	100,883	2,029	2,810,431
2005	666,202	213,074	547,641	12,751	1,313,596	15,861	210,530	82,678	429,399	99,741	0	3,591,472
2006	408,631	192,543	700,753	6,564	1,611,641	5,300	177,794	90,278	350,196	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	465,722	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	463,818	292,533	526,801	6,984	893,708	9,003	136,599	237,407	1,192,986	616,483	0	4,376,320
2010	626,117	296,698	475,055	2,483	794,998	1,185	87,073	63,830	982,908	727,083	0	4,057,429
2011	322,344	132,881	877,635	2,585	1,496,025	4,304	148,478	219,829	868,871	568,016	0	4,640,970
2012	376,760	274,657	914,995	862	1,857,662	10,255	137,772	158,132	926,582	359,885	0	5,017,561
2013	226,100	348,463	852,691	19,491	1,705,834	15,834	148,999	114,202	827,554	491,861	0	4,751,030
2014	372,368	371,612	914,034	16,314	1,711,046	5,489	255,034	208,578	927,236	495,074	2,072	5,278,857
2015	396,574	454,468	887,182	11,201	1,692,399	8,569	130,760	163,064	438,308	208,911	0	4,391,435
2016	560,476	785,611	460,942	2,585	1,206,910	14,546	119,069	102,253	383,154	331,355	0	3,966,902
2017	433,549	584,042	871,814	13,499	1,500,832	5,489	125,625	139,170	492,923	186,108	0	4,353,052
2018	367,032	415,035	1,027,228	7,673	1,066,001	10,267	109,242	253,851	556,413	390,975	4,195	4,207,913
2019	321,788	335,070	715,737	11,201	820,411	6,713	60,419	139,819	576,873	659,160	2,051	3,649,242
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	373,572	410,469	342,895	11,292	731,795	1,572	141,383	124,148	548,132	353,458	2,136	3,040,853
Averages:												
Long Term	301,352	249,247	447,354	15,541	802,360	21,036	113,041	101,914	357,488	233,531	1,033	2,643,897
3-yr	354,131	386,858	695,287	10,055	872,736	6,184	103,681	172,606	560,472	467,865	2,794	3,632,669
% Change from:												
Long Term	24.1	66.5	-23.6	-27.3	-8.9	-91.4	25.4	22.1	53.8	52.2	108.6	15.2
3-yr	5.5	6.1	-50.7	12.3	-16.1	-74.6	36.4	-28.1	-2.2	-24.5	-23.5	-16.3
2019	16.1	22.5	-52.1	0.8	-10.8	-76.6	134.0	-11.2	-5.0	-46.4	4.2	-16.7

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 (13-18, 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)	W. 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	589,257
1956	50,247	26,406	98,733	12,968	397,376	28,448	60,686	8,292	13,022	2,331	0	698,509
1957	59,367	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	11,248	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	2,801	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	5,695	14,704	2,627	1,681	506,235
1964	77,777	89,014	83,828	154,436	107,655	24,765	76,516	5,585	17,234	4,977	1,850	643,636
1965	66,523	44,632	100,526	26,681	126,493	50,530	82,630	3,080	18,993	2,032	0	522,120
1966	96,656	151,538	68,517	23,771	167,823	29,357	65,224	542	53,556	6,130	0	663,114
1967	48,854	33,354	97,884	25,738	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	1,320	62,980	6,357	5,633	512,842
1975	39,393	64,269	78,945	9,522	252,884	19,961	77,565	2,112	39,286	5,599	5,561	595,098
1976	48,531	40,110	52,081	17,133	283,277	22,346	110,778	16,231	15,302	3,115	5,486	614,389
1977	168,622	49,316	64,639	16,772	256,461	28,225	58,162	3,168	10,282	2,991	5,403	664,042
1978	48,519	33,318	51,218	6,371	128,997	26,419	37,293	6,391	17,021	12,326	5,311	373,174
1979	62,365	51,826	53,462	8,575	280,831	11,627	49,316	10,443	42,695	5,553	5,210	582,004
1980	152,230	66,440	62,125	8,770	307,205	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	5,936	4,996	620,843
1982	100,272	49,927	73,779	18,198	151,895	17,643	49,479	12,521	32,410	2,241	4,899	513,265
1983	109,231	68,981	49,684	12,628	212,701	15,542	33,382	4,964	12,389	2,293	4,817	526,612
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	54,994	59,172	1,872	127,229	11,465	28,228	36,324	11,456	0	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	17,341	119,017	32,482	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	193,058	67,559	78,128	20,678	79,699	19,546	51,597	10,836	10,086	8,131	0	539,318
1991	125,852	80,103	58,413	13,450	130,547	24,656	43,289	1,026	8,553	5,262	0	491,151
1992	93,592	60,473	32,760	2,835	95,740	110,874	60,952	5,578	17,294	1,431	0	481,529
1993	82,469	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	125,595	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	4,555	58,597	9,059	0	848,487
1997	44,986	93,403	68,518	22,372	280,056	27,968	63,531	9,588	69,152	9,180	0	688,754
1998	105,259	100,346	68,550	15,024	246,948	23,275	66,465	6,070	49,395	4,529	0	685,862
1999	88,957	151,409	56,133	16,718	253,376	28,762	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	115,123	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	97,516	42,688	26,453	162,444	12,740	47,658	3,399	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	71,924	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	14,384	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	51,093	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	381,353	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	40,808	109,174	114,350	17,034	270,237	18,345	37,511	6,573	130,676	12,575	0	757,281
2016	77,946	143,918	72,085	5,609	256,417	29,609	67,700	11,807	62,351	9,030	0	736,472
2017	86,565	110,494	63,725	15,773	295,239	20,748	76,617	8,030	45,672	9,666	0	732,531
2018	84,853	107,592	72,545	6,021	208,248	33,437	80,561	21,231	60,655	7,829	3,113	686,084
2019	78,336	105,855	133,180	1,918	160,143	22,741	56,053	19,161	43,996	30,541	0	651,925
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	31,679	119,042	73,832	5,730	190,412	14,193	78,984	7,874	47,305	14,084	1,585	584,699
Averages:												
Long Term	83,471	78,731	67,463	15,137	201,311	30,763	57,100	7,181	38,793	7,779	3,620	591,348
3-yr	64,956	110,830	93,186	4,556	186,268	23,457	71,859	16,088	50,652	17,485	1,566	640,903
% Change from:												
Long Term	-62.0	52.1	9.7	-63.0	-5.5	-54.6	38.9	9.8	22.1	82.4	-55.7	-1.1
3-yr	-51.2	7.4	-20.8	25.8	2.2	-39.5	9.9	-51.1	-6.6	-19.5	1.2	-8.8
2019	-59.6	12.5	-44.6	198.7	18.9	-37.6	40.9	-58.9	7.5	-53.9	#DIV/0!	-10.3

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 (13-18, 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)	W. ON (50)	Total
1955	77	73,372	140,504	16,980	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	509,086
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	71,291	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	323,304
1962	170	98,593	44,294	11,410	150,681	10,137	40,430	4,194	91,214	56,382	0	507,506
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	599,308
1966	56	16,535	190,141	7,779	124,630	26,435	83,569	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	134,886	49,042	38,305	1,377	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	5,677	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	7,896	155,310	757	237,626	4,888	86,899	1,049	110,856	20,209	971	626,322
1975	62	14,860	181,735	2,271	305,700	16,560	66,912	735	214,803	27,298	966	831,901
1976	62	6,122	173,409	13,584	311,671	6,514	83,148	2,667	63,634	4,096	957	665,865
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	3,258	73,277	14,710	198,264	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	75,157	22,036	590	594,925
1982	63	13,928	57,828	6,990	123,435	21,618	74,196	14,999	258,185	45,190	419	616,851
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	111,944	39	671,321
1985	0	9,776	133,947	4,920	219,554	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	5,793	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	83,388	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	32,356	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	68,371	0	888,484
1996	639	23,900	102,699	3,788	293,215	3,170	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	306,110	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	3,666	434,958	4,793	101,814	8,510	114,287	28,317	0	916,274
2007	1,720	79,565	178,960	4,856	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	285,329	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	92,486	0	1,269,883
2013	1,039	22,140	204,086	0	437,322	4,575	70,927	1,794	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	3,655	1,195,934
2016	693	86,599	218,921	2,687	637,237	8,638	144,583	5,208	147,162	37,066	0	1,288,793
2017	0	46,212	221,032	4,223	528,034	7,741	131,441	396	141,094	35,176	0	1,115,350
2018	0	77,822	244,570	2,315	289,944	3,871	134,934	23,619	146,780	62,099	13,084	999,037
2019	423	60,700	171,773	0	172,903	3,853	30,894	3,858	152,610	135,150	0	732,164
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	8,521	84,121	122,206	5,825	233,386	6,128	95,221	2,957	311,738	121,170	0	991,273
Averages:												
Long Term	1,498	42,075	133,148	7,397	239,328	16,192	76,386	6,342	158,139	51,597	545	732,647
3-yr	2,981	74,214	179,516	2,713	232,078	4,617	87,017	10,145	203,709	106,140	4,361	907,491
% Change from:												
Long Term	505.8	104.3	-8.3	-22.0	-2.5	-63.8	25.0	-53.6	98.6	137.7	-98.5	35.9
3-yr	185.8	13.3	-31.9	114.7	0.6	32.7	9.4	-70.9	53.0	14.2	-100.0	9.2
2019	1,914.4	38.6	-28.9	#DIV/0!	35.0	59.0	208.2	-23.4	104.3	-10.3	#DIV/0!	35.4

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 (1-12)	N. AB, BC, NT (13-18, 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)	W. ON (50)	Total
1955	753,529	2,800,646	427,241	383,247	858,296	119,934	171,292	56,138	19,852	13,332	16,624	5,620,130
1956	785,945	2,648,479	483,205	163,496	1,274,657	152,144	147,877	52,847	18,988	13,667	252,774	5,994,080
1957	612,344	2,523,084	515,078	388,610	898,118	485,072	187,491	49,982	18,458	13,930	74,774	5,766,942
1958	796,797	2,442,658	490,625	160,104	519,954	262,190	535,666	47,474	11,701	14,139	69,064	5,350,372
1959	795,959	4,118,304	400,167	240,930	683,122	264,467	360,682	45,340	22,118	13,608	92,914	7,037,610
1960	831,350	2,630,023	325,779	88,984	484,451	66,281	265,420	43,606	40,687	18,316	73,672	4,868,569
1961	893,245	3,035,070	393,608	127,116	419,505	132,048	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	105,168	153,191	41,219	77,726	32,907	61,509	5,286,098
1963	1,149,391	3,081,749	358,495	233,622	174,445	105,893	207,330	40,473	15,081	11,014	60,909	5,438,402
1964	1,005,518	2,909,274	400,469	244,863	162,858	140,384	145,839	39,961	2,957	1,392	78,284	5,131,798
1965	665,936	2,714,311	306,502	290,519	257,313	173,235	130,274	27,804	14,004	29,172	30,894	4,639,964
1966	827,528	2,592,733	298,706	192,211	193,509	111,387	112,444	44,744	15,475	29,718	80,784	4,439,240
1967	582,826	2,897,293	346,752	330,859	323,387	191,208	120,563	42,954	22,121	11,158	58,550	4,927,671
1968	982,187	2,253,631	233,992	249,555	95,641	337,372	83,242	27,016	16,638	22,329	111,078	4,412,682
1969	909,939	2,707,741	350,869	298,484	305,025	338,225	59,758	50,035	36,326	12,122	71,257	5,139,780
1970	847,809	3,008,370	367,910	455,697	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	799,266	3,081,586	368,630	512,154	377,899	317,908	146,280	35,838	37,277	13,012	90,614	5,780,464
1975	830,445	3,528,071	382,726	439,869	622,166	296,659	160,029	26,414	70,275	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	1,236,560	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	831,800	2,871,013	462,961	441,609	526,169	182,860	231,513	72,108	99,766	73,734	90,878	5,884,411
1979	869,502	3,849,246	687,495	774,361	796,541	175,671	89,640	88,566	199,175	36,692	91,054	7,657,943
1980	1,244,015	3,196,776	472,967	346,985	628,970	148,808	161,998	36,763	47,734	5,357	91,286	6,381,655
1981	1,033,374	3,303,857	469,335	244,662	277,144	293,553	114,930	35,823	107,536	19,092	91,577	5,990,883
1982	853,830	2,730,444	522,077	395,662	496,595	103,247	129,652	60,969	103,905	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	92,669	7,024,320
1985	816,838	2,500,696	363,182	623,208	319,833	115,311	113,234	19,962	102,100	30,633	92,958	5,097,956
1986	795,481	2,527,231	322,744	295,735	468,909	147,704	251,898	33,431	129,406	104,735	158,030	5,235,304
1987	797,827	2,701,361	256,190	370,331	278,187	53,653	150,304	44,737	91,392	35,422	83,325	4,862,729
1988	770,177	2,339,907	345,157	321,402	366,910	139,667	109,024	55,903	83,044	63,156	77,004	4,671,351
1989	768,778	2,467,280	157,957	235,124	208,113	104,917	88,955	46,877	38,794	80,442	144,813	4,342,050
1990	803,390	2,038,157	307,318	392,368	199,330	155,798	114,576	33,064	43,610	43,477	162,053	4,293,141
1991	1,170,594	2,061,038	299,766	854,778	265,398	152,481	75,251	25,202	89,932	66,800	193,659	5,254,899
1992	909,988	1,811,641	288,041	539,089	438,565	288,100	107,400	13,999	22,962	47,915	171,533	4,639,232
1993	951,309	1,838,798	268,358	320,665	352,122	195,497	44,981	28,298	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	28,563	109,638	155,249	27,629	4,529,044
1995	946,247	1,784,120	366,514	243,642	518,644	215,337	116,142	21,418	108,498	120,947	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	17,184	4,217,405
1997	800,166	1,632,592	347,675	352,466	489,482	158,051	94,811	32,692	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	2,133,616	228,223	351,563	287,427	191,628	72,369	28,049	120,777	40,303	1,795	4,411,723
2000	1,219,183	1,620,966	292,335	170,626	272,775	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	31,488	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	3,524,142
2003	969,704	1,736,075	172,052	211,663	251,357	142,661	48,575	24,622	140,738	36,997	0	3,734,444
2004	982,435	1,624,426	124,093	320,328	184,770	254,900	31,442	16,301	232,147	30,017	6,332	3,807,191
2005	960,708	1,361,394	126,509	176,007	381,266	172,820	60,074	12,845	140,983	30,286	0	3,386,893
2006	883,851	1,169,374	213,921	168,582	391,001	166,286	96,887	12,895	119,558	24,307	0	3,246,663
2007	1,191,270	1,261,018	182,318	137,918	302,053	133,327	50,384	11,413	159,588	22,946	0	3,452,233
2008	1,070,619	1,626,732	175,531	255,695	256,318	99,327	59,770	13,552	103,513	26,372	50,921	3,738,349
2009	820,924	1,685,442	286,509	445,886	323,877	230,600	70,097	24,682	236,451	39,651	7,977	4,172,097
2010	947,143	2,378,279	127,023	135,558	245,534	63,040	52,782	7,410	223,401	54,368	9,890	4,244,429
2011	847,477	2,165,251	228,434	238,647	346,797	119,830	84,724	26,934	176,758	75,711	8,726	4,319,289
2012	849,496	2,839,272	294,349	240,616	521,382	50,427	102,671	16,537	234,999	42,970	46,522	5,238,630
2013	547,712	2,343,201	150,046	185,264	475,426	89,363	38,146	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	587,180	2,214,959	261,901	218,792	470,840	95,198	112,256	4,726	355,392	42,647	31,414	4,395,305
2016	653,481	2,805,401	256,896	178,274	433,311	140,323	102,469	4,178	317,217	69,460	30,705	4,991,714
2017	781,427	2,237,682	266,374	195,447	476,981	98,259	70,371	19,072	167,200	37,971	20,943	4,371,725
2018	669,727	1,964,896	259,846	143,243	409,205	87,426	82,130	11,440	261,701	62,228	37,484	3,989,325
2019	498,562	1,792,922	352,389	142,549	353,019	111,127	69,147	18,179	169,729	77,359	5,817	3,590,799
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	678,151	1,803,141	271,073	255,023	249,751	109,839	54,909	14,950	91,054	28,319	42,421	3,598,631
Averages:	882,777	2,490,932	327,100	298,674	414,250	168,989	122,789	32,095	104,022	43,125	62,559	4,947,311
Long Term	615,480	1,853,653	294,436	180,271	337,325	102,797	68,729	14,856	174,161	55,969	28,574	3,726,252
% Change from:												
Long Term	-23.4	-28.0	-17.4	-14.9	-40.8	-35.2	-56.0	-54.4	-12.5	-34.3	-32.2	-27.6
3-yr	10.2	-2.7	-7.9	41.5	-26.0	6.8	-20.1	0.6	-47.7	-49.4	48.5	-3.4
2019	36.0	0.6	-23.1	78.9	-29.3	-1.2	-20.6	-17.8	-46.4	-63.4	629.2	0.2

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)	N. AB, BC, NT (13–18, 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)	W. ON (50)	Total
1955	110	240,319	1,430	97,443	27,218	40,817	2,133	1,218	606	0	40,192	451,486
1956	105	248,612	8,813	1,827	16,901	51,978	17,829	1,362	577	23	1,493	349,519
1957	0	144,020	1,491	0	10,947	0	6,955	1,481	553	76	0	165,523
1958	0	124,617	4,472	0	11,669	0	18,368	1,569	0	121	0	160,816
1959	0	502,257	9,418	2,485	27,559	2,506	53,155	1,630	0	0	0	599,010
1960	624	218,083	2,935	9,631	13,795	13,670	12,795	1,668	2,939	0	1,868	278,008
1961	0	121,889	10,138	10,200	8,352	26,900	17,362	1,687	0	0	1,855	198,383
1962	0	149,867	2,130	48,794	0	54,693	8,095	1,693	0	0	99,243	364,515
1963	0	128,820	1,662	158,424	20,828	57,977	22,903	1,689	858	955	67,608	461,723
1964	0	157,374	3,408	63,889	9,638	96,743	4,021	1,679	0	0	34,233	370,986
1965	0	235,624	11,012	97,384	23,183	97,496	8,877	3,256	29	0	35,623	512,484
1966	0	185,642	4,331	137,354	15,984	136,643	1,313	914	2,517	1,432	162,045	648,175
1967	0	141,396	34,792	87,074	10,360	141,059	9,984	7,405	0	1,117	60,025	493,212
1968	0	98,152	11,047	165,293	1,516	205,727	3,244	2,917	0	0	1,967	489,863
1969	0	62,905	8,687	106,530	6,459	164,452	6,626	222	584	0	18,275	374,740
1970	0	159,220	14,214	247,373	13,931	191,688	7,454	0	2,791	1,064	35,589	673,324
1971	0	155,243	36,221	193,395	7,175	217,630	0	0	1,056	532	46,812	658,064
1972	412	82,678	30,628	99,140	8,531	161,016	8,845	0	674	0	16,851	408,775
1973	0	121,405	2,002	97,495	8,242	59,939	11,530	0	0	0	32,703	333,316
1974	0	64,361	15,135	61,844	42,563	92,975	10,454	2,127	584	0	56,234	346,278
1975	0	123,159	26,015	112,640	53,769	137,873	16,356	0	1,168	0	59,440	530,420
1976	0	76,645	13,482	155,151	42,600	129,642	16,601	1,429	1,123	266	62,661	499,600
1977	62	202,878	23,939	113,688	38,991	79,101	9,046	222	1,370	431	65,887	535,615
1978	128	154,837	50,884	139,502	45,061	135,550	27,334	762	2,227	1,393	69,107	626,786
1979	764	91,260	21,324	92,592	46,839	85,298	33,768	0	8,433	631	72,311	453,220
1980	836	121,438	8,945	191,482	55,491	169,832	59,765	890	3,640	1,163	75,489	688,971
1981	9,626	120,313	29,526	279,199	40,994	194,943	58,844	890	0	2,789	78,630	815,754
1982	3,853	69,897	23,699	162,150	69,791	140,019	28,667	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	103,023	59,044	84,779	780,082
1984	28,656	134,786	33,597	207,544	42,735	154,070	8,040	2,986	12,232	17,294	87,788	729,728
1985	16,298	88,159	18,727	181,788	21,387	185,941	16,468	4,320	3,460	1,393	90,772	628,713
1986	65,933	88,726	11,687	221,087	13,743	83,943	17,911	7,145	11,571	18,311	26,932	566,989
1987	38,287	121,134	18,557	267,576	29,315	203,625	29,251	445	3,190	14,415	6,733	732,528
1988	50,457	179,176	35,327	199,324	30,682	123,116	26,018	1,207	10,457	5,670	75,987	737,421
1989	24,751	152,267	46,509	98,543	8,620	100,612	15,673	3,781	10,939	17,685	64,444	543,824
1990	35,023	134,995	12,421	151,151	19,789	146,414	29,983	381	9,649	17,633	75,025	632,464
1991	18,669	131,749	14,924	189,372	19,606	171,340	19,246	470	5,018	5,474	81,758	657,626
1992	35,663	122,426	15,423	538,821	16,084	400,408	9,140	3,919	10,252	27,622	106,811	1,286,570
1993	39,781	209,323	9,559	228,559	12,013	191,076	5,887	4,007	425	5,801	161,498	867,927
1994	28,997	225,048	12,588	155,265	15,695	198,184	11,879	5,041	15,670	11,128	200,593	880,088
1995	26,090	211,296	8,980	159,170	36,010	151,835	11,679	6,960	44,359	41,561	257,021	954,961
1996	29,951	143,533	10,081	117,500	82,889	98,307	20,526	361	12,118	17,405	240,020	772,691
1997	36,999	385,574	37,449	174,733	58,057	121,803	27,675	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	2,130	6,973	8,403	406,671	1,166,752
1999	19,150	365,723	51,981	301,184	57,237	102,510	16,596	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	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	8,698	163,228	939,669
2002	52,132	161,419	7,530	369,450	29,672	221,703	29,967	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	387	10,601	8,920	350,540	1,229,696
2004	71,668	222,776	44,081	174,823	19,603	221,100	19,843	2,982	2,543	5,007	358,085	1,142,511
2005	78,618	290,904	12,895	264,008	6,927	187,767	20,652	1,762	9,561	6,080	137,546	1,016,720
2006	83,590	251,006	21,488	286,235	59,318	95,511	26,556	8,376	5,724	4,954	109,915	952,672
2007	61,467	238,283	31,962	249,523	22,637	205,858	40,462	9,742	13,363	2,886	184,272	1,060,457
2008	40,901	283,553	21,395	206,475	49,762	160,310	24,198	3,302	6,362	2,331	212,251	1,010,841
2009	28,999	481,195	24,994	256,458	39,289	155,848	15,072	16,689	20,389	19,249	210,345	1,268,527
2010	46,086	625,628	16,141	109,488	57,354	121,614	17,428	7,221	12,544	13,282	100,884	1,145,670
2011	30,577	452,835	7,800	97,774	111,520	46,264	9,736	1,506	39,076	75,659	132,557	1,005,305
2012	30,427	371,174	7,157	82,578	111,462	111,929	32,951	2,318	21,193	22,110	228,745	1,022,043
2013	21,822	531,718	13,538	158,927	101,132	233,165	85,812	0	42,002	26,626	0	1,214,742
2014	49,030	681,224	19,258	112,126	176,243	174,404	65,159	16,102	76,260	26,236	177,822	1,573,864
2015	40,902	726,904	14,008	99,181	201,640	121,347	72,792	8,319	27,511	13,577	177,134	1,503,316
2016	56,873	934,562	42,277	73,902	172,888	121,328	31,764	8,559	35,484	30,043	175,034	1,772,715
2017	49,928	1,123,508	52,178	160,780	176,128	190,940	51,985	471	17,715	11,125	83,288	1,918,026
2018	38,912	812,462	43,933	208,457	121,632	287,725	75,712	2,522	19,823	18,923	152,972	1,783,080
2019	48,686	859,760	11,652	144,645	101,972	146,089	48,957	13,775	28,739	18,457	114,961	1,537,694
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	53,203	434,730	25,772	163,831	106,166	113,635	44,436	7,578	43,420	30,379	31,162	1,054,313
Averages:												
Long Term	25,867	272,743	19,087	153,532	45,266	137,232	24,618	3,281	12,259	10,902	117,087	821,874
3-yr	46,934	702,318	27,119	172,311	109,924	182,483	56,368	7,959	30,660	22,589	99,698	1,458,362
% Change from:												
Long Term	107.4	60.8	35.2	6.8	138.7	-17.2	81.6	134.4	264.7	183.7	-72.9	28.6
3-yr	13.4	-38.1	-5.0	-4.9	-3.4	-37.7	-21.2	-4.8	41.6	34.5	-68.7	-27.7
2019	9.3	-49.4	121.2	13.3	4.1	-22.2	-9.2	-45.0	51.1	64.6	-72.9	-31.4

**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 (13-18, 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)	W. ON (50)	Total
1955	25,420	236,090	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	7,518	13,445	9,218	757	0	14	16,941	321,362
1959	43,294	409,513	44,641	20,608	8,968	11,364	9,710	792	0	0	6,058	554,948
1960	37,751	277,597	32,949	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	4,640	9,632	962	0	0	0	388,535
1965	40,510	252,212	71,138	25,252	22,877	6,266	20,486	1,318	122	0	3,073	443,254
1966	47,808	323,656	33,434	35,773	14,378	12,433	13,238	1,290	144	404	4,305	486,863
1967	54,147	256,133	48,640	54,732	18,058	19,290	32,589	380	0	945	6,553	491,468
1968	37,159	249,902	32,448	110,505	29,476	55,202	10,007	2,050	0	0	51,306	578,055
1969	32,946	358,755	44,142	67,740	39,162	47,997	25,725	1,414	0	0	36,016	653,897
1970	43,536	306,760	40,370	115,130	20,522	20,507	8,379	376	1,805	0	84,895	642,280
1971	44,545	452,695	33,837	121,094	12,612	66,286	16,542	0	0	0	21,637	769,248
1972	40,862	428,648	53,320	112,566	31,727	54,472	10,284	1,666	2,607	1,458	18,558	756,168
1973	40,487	299,541	30,593	84,400	17,890	32,360	6,368	645	494	0	28,298	541,076
1974	64,846	373,253	25,989	100,980	19,122	32,541	22,138	1,694	0	450	22,588	663,601
1975	44,018	390,717	56,129	92,222	43,688	92,222	26,982	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	38,500	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	880,866
1979	78,958	453,912	67,167	147,764	42,409	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	672,531
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	57,370	161,008	36,247	65,938	27,154	376	3,688	6,071	26,832	946,749
1984	37,821	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	77,854	26,868	34,336	31,783	1,021	494	0	27,027	554,214
1986	38,657	365,496	33,818	101,392	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	46,731	446,362	50,807	72,919	20,419	18,088	29,024	4,141	494	2,892	28,298	720,175
1989	54,676	445,637	32,509	100,368	21,880	34,422	30,472	1,666	2,101	5,031	15,436	744,198
1990	31,763	407,934	36,522	140,679	31,746	39,118	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	29,729	364,254	79,610	225,102	43,876	71,081	18,226	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	539	3,582	5,886	6,884	832,558
1996	49,745	467,314	103,462	107,638	52,985	34,886	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	41,166	601,213	69,529	183,075	88,391	71,999	41,731	1,122	267	2,316	10,857	1,111,666
2000	39,704	382,714	70,930	112,810	161,385	71,044	38,195	1,719	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	75,350	51,187	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	43,849	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	78,860	150,978	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	116,041	165,261	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	1,741	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	43,499	617,994	126,038	0	141,466	229,216	56,935	42,988	14,189	12,567	26,949	1,311,841
2015	42,528	700,610	123,783	215,142	296,113	110,145	69,954	0	4,218	1,132	24,277	1,587,902
2016	44,086	689,446	98,543	0	133,923	226,435	55,225	0	2,302	3,005	15,194	1,353,573
2017	43,181	599,393	146,902	196,267	201,411	68,913	51,789	0	4,910	5,948	10,566	1,329,279
2018	44,521	602,175	114,953	120,707	235,452	70,513	58,246	2,205	6,341	4,862	31,391	1,291,366
2019	38,205	532,169	94,533	127,438	214,819	57,761	54,363	9,006	12,508	5,646	7,799	1,154,245
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	35,023	405,745	80,605	162,893	185,169	56,408	65,379	633	4,890	2,422	7,076	1,006,243
Averages:												
Long Term	44,276	434,409	61,046	122,841	69,145	47,912	30,988	1,276	2,265	2,061	17,961	834,181
3-yr	39,250	513,363	96,697	137,013	211,813	61,561	59,329	3,948	7,913	4,310	15,422	1,150,618
% Change from:												
Long Term	-21.0	-6.6	32.4	32.9	172.5	17.9	113.6	-50.4	118.0	17.6	-60.5	20.8
3-yr	-10.8	-21.0	-16.6	18.9	-12.6	-8.4	10.2	-84.0	-38.2	-43.8	-54.1	-12.5
2019	-8.3	-23.8	-14.7	27.8	-13.8	-2.3	20.3	-93.0	-60.9	-57.1	-9.3	-12.2



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 (13-18, 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)	W. ON (50)	Total
1955	6	34,732	76,180	0	128,697	0	28,904	8,538	11,163	1,639	0	289,859
1956	6	29,593	78,270	0	231,810	0	28,602	8,282	11,272	831	0	388,665
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	10,693	0	362,963
1961	6	67,452	49,800	0	71,428	2,420	42,851	7,263	23,344	3,602	24,958	343,124
1962	0	1,225	21,895	23,774	59,550	5,532	49,507	7,180	27,469	11,836	9,983	217,951
1963	0	22,237	37,418	9,906	38,531	7,953	38,531	7,121	18,194	5,608	0	245,249
1964	7	7,830	92,953	78	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	0	9,047	1,869	0	237,499
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	8,914	3,529	385,528
1969	9	36,462	47,903	1,345	54,967	19,363	38,626	22,292	45,151	6,963	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	8,644	25,835	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	21,550	184,681	0	80,323	2,697	49,940	2,595	125,136	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	5,815	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	62,966	14,943	49,705	37,418	91,792	17,094	237,580	67,045	1,559	633,200
1982	22	25,888	116,002	1,486	181,908	15,560	146,203	17,756	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	48,654	1,409	554,021
1985	0	28,715	43,776	723	128,272	5,187	39,344	7,997	111,932	23,149	1,350	390,445
1986	0	112,732	32,902	0	120,190	6,548	68,533	4,623	170,083	69,389	0	585,000
1987	0	30,329	35,823	5,060	105,566	1,037	79,997	613	113,850	28,544	0	400,819
1988	119	17,764	77,895	0	61,243	13,529	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	68,853	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	32,074	6,989	78,621	43,233	0	510,769
1996	837	67,942	302,195	2,808	166,676	2,018	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	499,365
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	168,207	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	9,496	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	1,344	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	290,576	968	31,660	5,124	111,858	50,999	0	569,642
2013	1,007	59,153	84,845	2,664	500,030	0	32,565	0	78,463	139,273	0	897,999
2014	0	36,517	69,154	4,656	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	173,801	87,227	0	1,069,145
2017	0	54,593	122,058	2,827	553,776	336	56,916	15,846	147,870	59,864	0	1,014,085
2018	0	57,015	90,367	1,474	229,697	5,545	77,679	10,646	143,381	43,895	19,634	679,333
2019	0	43,989	101,191	9,532	134,438	1,008	20,856	14,178	117,080	72,714	0	514,987
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	1,608	47,280	70,756	18,425	328,606	6,688	53,318	16,968	137,332	43,367	0	724,349
Averages:												
Long Term	144	53,959	78,114	5,110	153,764	8,930	53,011	8,436	102,890	36,266	1,584	502,208
3-yr	536	49,428	87,438	9,810	230,914	4,414	50,617	13,931	132,598	53,325	6,545	639,556
% Change from:												
Long Term	1,202.5	-12.5	-9.5	271.4	117.2	-25.0	0.6	104.4	33.7	19.6	-98.5	44.9
3-yr	200.0	-4.3	-19.1	87.8	42.3	51.5	5.3	21.8	3.6	-18.7	-100.0	13.3
2019	#DIV/0!	7.5	-30.1	93.3	144.4	563.4	155.6	19.7	17.3	-40.4	#DIV/0!	40.7

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 (1–12)	N. AB, BC, NT (13–18, 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)	W. ON (50)	Total
1955	27,538	418,422	15,996	44,794	11,811	17,952	12,357	431	0	0	13,477	562,778
1956	28,917	289,608	21,071	1,205	21,189	0	13,281	460	0	0	39,084	414,815
1957	30,149	140,340	15,495	4,211	17,681	2,201	17,452	494	0	0	0	228,022
1958	39,019	472,588	9,080	149,582	9,812	47,934	28,222	529	0	0	41,417	798,183
1959	46,539	859,109	8,734	277,725	13,271	258,169	41,321	565	0	0	227,069	1,732,502
1960	45,906	134,874	11,372	49,139	21,435	182,409	42,165	599	0	0	42,758	530,657
1961	41,243	375,515	11,241	71,491	10,598	77,203	13,600	630	0	0	71,764	673,285
1962	69,789	360,992	7,929	91,367	7,783	50,792	13,481	657	0	0	190,024	792,813
1963	60,891	32,242	2,440	38,799	3,892	33,581	6,288	679	32	0	123,965	302,809
1964	23,720	160,027	5,860	31,069	2,584	12,422	6,373	696	0	0	77,186	319,937
1965	44,441	204,012	1,457	35,694	8,802	32,317	11,391	0	36	0	5,009	343,159
1966	45,769	39,876	4,880	43,631	10,501	28,430	2,102	1,309	1,239	0	70,169	247,907
1967	122,644	64,985	0	9,290	14,327	5,812	18,376	0	0	0	53,399	288,833
1968	130,244	30,331	5,639	32,279	22,506	9,935	6,595	0	0	0	347,335	584,864
1969	94,705	36,774	8,908	75,013	8,731	77,002	7,029	637	0	0	102,724	411,523
1970	63,266	35,666	3,622	146,310	15,492	76,801	13,972	0	0	0	64,988	420,117
1971	81,671	38,921	20,413	69,644	14,262	44,108	32,900	0	0	0	100,974	402,894
1972	92,499	75,381	15,609	50,109	4,575	49,803	5,503	8,821	1,103	1,233	153,389	458,025
1973	93,251	39,309	19,651	91,437	20,632	78,818	917	2,365	0	0	181,339	527,719
1974	84,061	58,397	17,678	90,693	13,923	35,785	12,033	0	0	0	102,176	414,745
1975	96,603	37,700	15,508	51,609	16,367	39,261	33,856	0	0	0	102,519	393,424
1976	87,770	69,487	28,286	138,775	15,943	115,674	30,559	0	0	0	102,832	589,326
1977	93,640	91,783	3,887	67,332	64,829	125,287	4,299	637	0	0	103,114	554,807
1978	68,520	119,234	33,240	60,411	14,039	60,885	42,505	0	0	953	103,359	503,146
1979	103,980	184,326	7,557	42,661	35,657	44,846	18,506	1,091	0	0	103,564	542,187
1980	113,376	196,535	29,566	21,735	29,381	47,687	12,636	1,592	0	0	103,722	556,230
1981	62,323	108,170	4,640	166,766	20,143	221,927	29,015	0	0	0	103,828	716,811
1982	76,033	83,402	6,802	74,750	20,752	48,090	29,058	0	0	1,233	103,877	443,997
1983	73,646	103,921	6,802	106,418	16,223	77,778	22,175	0	2,509	2,426	103,863	515,761
1984	85,552	390,565	1,727	83,896	15,204	28,343	656	637	1,350	761	103,782	712,473
1985	97,031	97,397	16,178	48,978	27,120	60,467	23,608	1,274	0	761	103,633	476,447
1986	67,808	166,772	29,908	44,782	19,903	19,527	20,324	2,547	0	761	79,663	626,995
1987	71,813	46,330	24,169	111,518	22,678	38,392	29,565	0	1,029	0	128,929	474,423
1988	90,292	62,118	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	20,171	31,783	16,070	1,091	0	0	136,266	403,870
1990	47,256	81,418	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	756	104,003	486,347
1995	73,979	102,050	31,397	181,943	41,859	190,001	5,221	441	0	760	23,454	651,105
1996	77,925	39,271	6,081	136,420	53,002	150,359	42,518	0	0	869	702,921	1,209,365
1997	67,189	90,999	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	226,293	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	26,271	97,865	16,010	172,847	20,433	512	0	0	74,377	567,279
2005	61,139	22,147	10,586	132,890	88,472	127,213	23,144	0	0	0	24,659	490,250
2006	88,084	231,163	50,371	211,143	70,527	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	729	0	34,604	640,093
2009	32,202	138,391	13,679	125,563	28,559	244,280	38,642	947	727	0	64,753	687,744
2010	40,990	231,031	58,030	67,889	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	68,620	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	345,993	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
2017	35,681	276,883	62,045	4,792	49,116	4,913	59,206	0	0	0	76,181	568,817
2018	28,803	377,761	33,374	37,460	55,765	14,062	36,746	0	0	0	60,923	644,894
2019	19,515	391,539	37,429	3,043	88,700	15,503	43,658	0	0	0	63,822	663,209
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	155,489	248,185	63,660	64,358	42,835	25,918	79,093	1,088	0	0	35,459	716,084
Averages:												
Long Term	65,475	174,080	20,194	89,649	30,350	89,681	23,641	870	212	215	101,401	595,767
3-yr	67,936	339,162	44,821	34,953	62,433	18,494	53,166	363	0	0	53,401	674,729
% Change from:												
Long Term	141.3	44.5	225.4	-28.3	41.6	-70.5	245.3	25.3	-98.5	-98.5	-64.5	20.6
3-yr	128.9	-26.8	42.0	84.1	-31.4	40.1	48.8	200.0	#DIV/0!	#DIV/0!	-33.6	6.1
2019	696.8	-36.6	70.1	2,015.2	-51.7	67.2	81.2	#DIV/0!	#DIV/0!	#DIV/0!	-44.4	8.0

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)	N. AB, BC, NT (13–18, 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)	W. ON (50)	Total
1955	1,233	151,416	0	102,312	455	71,891	196	789	0	0	94,011	422,304
1956	1,226	99,215	0	40,606	0	13,420	0	853	0	0	71,613	226,934
1957	418	87,253	0	27,197	0	9,195	0	911	0	0	68,046	193,020
1958	1,363	176,943	5,940	56,600	0	33,711	193	963	0	21	165,788	441,521
1959	139	194,348	3,960	51,614	420	27,145	0	1,006	0	0	53,467	332,099
1960	1,115	175,828	1,188	22,093	11,361	56,942	945	1,042	0	0	160,728	431,242
1961	456	148,953	396	11,806	2,596	30,375	376	1,072	0	0	85,324	281,354
1962	7,721	96,812	0	29,187	0	75,296	0	1,100	0	0	108,886	319,002
1963	4,706	105,154	0	54,230	9,399	80,118	0	1,130	172	0	109,461	364,370
1964	597	99,210	1,584	48,487	2,433	34,811	9,691	1,162	0	0	89,056	287,031
1965	2,054	109,084	9,268	85,755	5,219	59,203	8,957	1,447	218	0	62,807	344,012
1966	2,132	78,950	7,746	46,274	0	40,315	4,470	0	233	1,331	144,571	326,022
1967	7,715	58,742	1,814	94,183	0	72,086	0	7,688	0	0	157,957	400,185
1968	309	19,815	1,100	71,382	989	59,421	188	708	0	0	118,893	272,806
1969	959	30,213	1,691	105,611	1,443	62,123	759	0	2,863	0	171,414	377,076
1970	2,368	48,584	9,443	101,291	8,809	51,499	2,768	0	0	0	115,510	340,272
1971	1,786	17,977	4,056	68,353	1,260	39,057	595	0	0	0	124,964	258,049
1972	6,056	30,633	4,187	91,144	0	38,742	5,599	708	1,432	0	147,270	325,771
1973	3,755	32,672	2,101	74,933	2,178	56,336	7,470	827	716	800	104,403	286,191
1974	3,355	21,125	0	87,759	455	51,526	16,818	3,541	716	0	130,382	315,677
1975	5,155	33,624	16,428	107,454	7,523	176,326	15,145	1,416	0	0	132,314	495,385
1976	2,199	85,644	0	73,943	5,323	48,100	4,764	827	0	0	134,304	355,104
1977	7,852	143,165	4,800	110,717	3,364	76,611	8,950	2,656	0	0	136,342	494,457
1978	11,504	168,550	16,088	166,449	6,486	145,932	9,624	1,948	0	0	138,421	665,003
1979	5,535	124,388	5,678	76,471	12,983	91,483	27,356	4,073	0	2,546	140,535	491,048
1980	5,230	138,964	17,961	116,416	6,849	174,909	45,568	0	0	800	142,680	649,377
1981	6,721	53,313	13,594	98,184	14,552	170,268	47,188	8,502	0	0	144,855	557,177
1982	8,662	60,497	15,473	102,891	3,431	48,917	11,642	1,829	334	7,039	147,060	407,775
1983	7,228	78,522	15,322	146,681	5,941	165,986	60,491	0	6,252	5,714	149,300	641,437
1984	20,221	116,503	4,906	141,524	17,722	134,694	21,659	1,416	2,667	6,137	151,570	619,018
1985	25,064	75,508	8,875	155,887	1,855	94,180	26,003	708	543	0	153,550	542,473
1986	24,710	34,330	8,645	209,880	0	52,371	11,962	2,775	0	0	101,071	445,744
1987	21,569	69,242	10,069	164,970	6,872	131,649	14,228	1,948	543	0	126,987	548,077
1988	24,094	62,811	21,560	157,386	5,817	83,487	11,487	1,416	0	2,095	156,605	526,758
1989	8,420	74,537	8,593	100,018	3,650	82,100	19,204	2,124	716	3,481	138,094	440,937
1990	10,141	91,708	4,982	126,105	7,945	60,573	34,190	0	4,319	2,401	105,514	447,878
1991	14,142	44,707	15,245	186,213	6,458	143,423	11,092	4,234	3,240	4,020	111,067	543,841
1992	19,222	125,943	8,721	129,633	3,820	61,847	16,056	1,266	0	0	180,912	547,418
1993	23,047	71,091	6,295	117,061	3,548	83,699	10,407	985	293	2,108	209,780	528,314
1994	21,038	109,992	6,943	155,000	2,282	188,701	6,199	770	506	3,728	305,861	801,020
1995	16,648	70,811	10,436	160,749	7,544	106,213	4,408	2,576	1,435	4,948	224,592	610,362
1996	39,454	31,939	5,931	111,452	4,005	64,121	26,171	3,067	321	475	510,790	797,726
1997	25,159	49,740	9,796	165,117	6,455	89,875	53,357	1,948	877	7,698	442,847	852,869
1998	24,670	48,519	5,416	106,581	6,773	86,410	4,652	2,975	543	2,495	120,905	409,939
1999	15,102	96,031	8,136	155,433	2,623	49,323	38,879	11,288	716	4,002	95,057	476,592
2000	32,794	187,976	5,061	154,035	9,187	51,429	26,394	6,730	7,504	2,896	278,841	762,848
2001	27,356	109,312	8,471	127,713	21,194	67,167	16,060	4,786	669	3,700	322,505	708,932
2002	22,772	96,605	10,460	182,481	2,960	131,026	10,979	8,628	0	2,404	579,997	1,048,311
2003	20,416	116,609	2,560	148,484	2,427	61,780	6,618	2,983	0	506	666,574	1,028,957
2004	22,012	46,745	4,211	221,728	3,078	224,573	6,064	1,340	325	1,365	551,138	1,082,580
2005	36,247	36,445	1,927	111,583	4,141	80,514	9,548	1,850	897	0	354,051	637,203
2006	27,033	66,657	1,627	100,745	3,129	76,854	17,994	1,512	0	873	264,499	560,923
2007	36,686	91,875	2,888	97,516	5,285	67,387	14,251	255	0	0	314,541	630,683
2008	27,235	94,530	7,723	77,465	3,590	85,041	56,632	1,083	917	0	438,910	793,127
2009	24,499	109,337	16,411	124,827	9,075	117,680	10,982	4,353	621	0	285,875	703,661
2010	30,975	130,363	21,095	115,660	5,586	70,088	22,109	1,024	3,063	0	288,814	688,776
2011	29,520	122,272	7,527	84,093	5,974	155,407	12,401	2,750	981	3,982	313,712	738,619
2012	33,602	78,057	23,287	58,110	2,147	105,615	10,722	5,491	941	1,738	307,040	626,749
2013	18,322	114,678	7,201	109,199	8,853	114,182	10,195	1,582	4,817	3,038	0	392,065
2014	29,803	124,487	2,661	113,232	12,161	37,305	25,232	9,312	6,829	3,457	307,684	672,165
2015	32,494	134,966	20,650	182,787	6,743	244,406	15,178	0	1,469	1,236	236,885	876,815
2016	27,156	115,186	14,851	180,856	9,907	280,690	10,602	2,248	3,328	437	266,439	911,701
2017	44,457	52,183	15,762	271,513	16,463	261,894	4,817	1,675	1,425	398	328,651	999,239
2018	37,441	59,680	3,082	164,993	5,629	194,681	13,977	2,732	2,583	1,076	390,700	876,574
2019	27,392	81,348	5,776	182,927	10,454	209,663	8,444	13,948	2,535	7,134	113,107	662,728
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	20,577	92,501	6,093	135,577	11,528	114,294	19,414	2,571	837	3,242	302,353	708,987
Averages:												
Long Term	15,925	89,467	7,480	114,524	5,460	95,850	14,065	2,463	1,051	1,505	206,033	553,823
3-yr	28,470	77,843	4,983	161,166	9,204	172,879	13,945	6,417	1,985	3,817	268,720	749,430
% Change from:												
Long Term	29.4	3.5	-18.5	18.7	113.2	19.5	38.3	4.4	-20.3	117.5	47.4	28.5
3-yr	-27.7	18.8	22.3	-15.9	25.3	-33.9	39.2	-59.9	-57.8	-15.1	12.5	-5.4
2019	-24.9	13.7	5.5	-25.9	10.3	-45.5	129.9	-81.6	-67.0	-54.6	167.3	7.0

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 (1-12)	N. AB, BC, NT (13-18, 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)	W. ON (50)	Total
1955	85	30,748	141,262	0	360,714	0	18,772	39,862	41,147	21,783	0	654,372
1956	238	5,473	108,038	0	604,698	0	45,684	39,080	44,395	21,609	0	869,216
1957	5	0	56,605	0	438,843	0	27,830	38,541	47,919	22,724	0	632,467
1958	0	0	98,069	0	127,546	0	76,960	38,206	59,014	24,941	0	424,735
1959	0	156,775	169,760	22,465	145,323	115,835	170,796	38,030	94,402	31,128	0	944,514
1960	0	3,884	120,075	7,855	111,952	33,997	87,532	37,985	81,985	40,387	0	525,652
1961	5	62,589	92,872	0	70,527	114,327	125,400	38,024	51,084	29,340	0	584,168
1962	0	23,713	19,746	5,498	78,951	19,192	32,780	38,259	103,958	60,958	0	383,055
1963	6,353	22,846	82,177	17,280	27,371	68,816	43,635	38,880	47,427	21,014	0	375,799
1964	6	18,799	39,957	6,265	50,484	79,782	37,394	39,997	14,200	53,396	0	340,280
1965	6	5,654	65,136	15,539	63,564	74,847	46,199	13,949	93,789	19,307	0	397,989
1966	6	35,540	48,130	8,240	83,356	42,222	20,318	19,440	150,515	33,777	0	441,544
1967	6	6,608	202,542	29,331	178,983	76,218	74,096	23,406	203,316	27,961	0	822,466
1968	6	82,071	98,780	132,574	214,325	448,558	46,404	58,112	127,526	75,652	0	1,284,004
1969	6	13,549	144,825	15,536	203,789	23,651	120,689	30,955	131,266	91,127	0	775,394
1970	7	9,611	169,841	19,970	450,341	42,962	169,108	22,279	192,302	91,771	0	1,168,192
1971	7	20,484	99,723	13,032	481,517	31,396	120,880	9,576	147,652	34,973	905	960,145
1972	7	32,012	122,608	7,213	284,899	19,572	159,683	17,541	178,836	110,937	0	933,308
1973	7	167,405	145,425	33,025	465,919	66,533	69,406	37,952	124,724	126,109	0	1,236,505
1974	7	30,827	266,979	4,585	544,311	15,269	230,322	22,196	368,921	27,821	1,943	1,513,180
1975	7	36,637	483,329	12,610	799,782	37,986	282,924	13,776	512,939	75,667	2,262	2,257,919
1976	7	27,056	83,519	32,801	1,512,966	32,432	470,430	59,458	104,227	66,604	2,579	2,392,079
1977	7	428,722	285,358	192,611	269,357	123,309	179,959	16,392	74,819	91,398	2,896	1,664,828
1978	7	65,559	168,357	48,248	317,848	24,392	111,315	83,083	389,599	232,503	3,213	1,444,124
1979	7	7,730	417,979	3,439	787,159	22,605	182,855	319,446	1,358,125	356,097	3,526	3,458,968
1980	7	415,657	501,055	292,094	634,230	201,320	330,575	104,220	395,967	77,091	3,830	2,956,046
1981	7	198,729	405,024	414,742	395,073	358,149	157,473	197,667	374,657	176,800	4,119	2,682,441
1982	7	68,725	371,736	25,849	175,368	93,241	111,878	53,327	561,294	202,707	4,386	1,668,518
1983	7	138,412	253,247	18,773	546,681	16,921	123,936	42,885	411,000	263,525	4,621	1,820,007
1984	94	91,666	542,666	88,836	507,406	23,213	38,308	103,474	898,926	603,719	4,811	2,903,119
1985	0	69,291	327,286	16,066	530,572	49,020	33,778	145,150	309,729	196,547	4,946	1,682,385
1986	0	34,233	282,225	7,881	315,049	14,492	212,457	32,078	313,196	487,546	0	1,699,157
1987	0	83,629	137,883	157,696	241,678	97,448	77,065	27,238	530,327	427,336	0	1,780,300
1988	0	232,749	166,147	100,139	930,687	240,716	591,810	95,515	429,080	436,363	0	3,223,206
1989	0	158,090	349,532	119,530	276,168	80,035	60,145	65,866	246,784	284,727	0	1,640,877
1990	0	197,152	485,709	23,665	261,462	38,073	151,795	153,414	161,725	191,467	0	1,664,462
1991	0	92,552	279,675	8,772	366,579	134,823	81,071	52,948	58,127	77,412	0	1,151,959
1992	0	114,937	307,393	14,993	442,607	52,576	215,542	15,337	84,060	132,791	0	1,380,235
1993	0	92,495	282,101	20,506	111,818	146,505	32,198	58,300	113,905	167,235	0	1,025,062
1994	0	50,381	234,680	23,451	383,314	8,801	35,778	56,845	607,988	310,988	0	1,712,227
1995	0	37,511	232,937	9,178	625,223	12,646	195,400	33,236	1,675,859	616,886	0	3,438,877
1996	0	41,342	234,396	11,740	868,111	3,734	281,166	38,798	1,241,902	409,910	0	3,131,109
1997	0	253,835	377,464	9,752	1,661,101	9,409	282,918	80,096	1,715,341	525,686	0	4,915,601
1998	0	467,038	260,003	26,584	594,337	33,716	506,699	12,778	767,945	468,980	0	3,138,079
1999	0	159,571	342,322	38,032	823,675	19,864	162,542	174,701	889,876	458,569	0	3,069,152
2000	0	615,563	418,760	79,295	848,496	129,964	284,810	69,091	912,574	300,905	0	3,659,459
2001	0	87,215	207,397	41,472	679,246	32,269	315,350	21,588	319,644	141,672	0	1,845,852
2002	0	584,907	376,090	91,226	306,829	203,347	246,718	36,341	437,898	235,084	0	2,518,449
2003	0	101,998	222,264	4,550	633,882	7,843	107,401	17,697	77,862	21,988	0	1,195,485
2004	0	294,932	240,183	74,401	536,335	31,025	83,747	43,403	525,804	32,210	0	1,862,040
2005	0	220,265	240,935	13,092	806,864	12,417	175,411	5,143	84,357	32,551	0	1,591,035
2006	0	195,126	418,974	10,691	1,188,247	7,931	103,699	11,877	103,799	60,546	1,372	2,102,263
2007	468	87,724	444,380	19,766	1,406,277	6,066	81,656	60,445	171,516	312,872	0	2,591,169
2008	0	281,459	667,924	29,080	1,640,884	14,458	129,965	136,639	308,040	417,504	0	3,625,954
2009	0	62,253	321,137	35,011	601,935	7,195	253,161	93,030	657,777	227,887	0	2,259,385
2010	0	129,577	333,652	2,326	590,896	2,851	46,784	43,313	675,446	584,335	0	2,409,179
2011	0	49,405	488,029	0	1,336,121	9,113	226,997	40,020	678,373	796,338	0	3,624,396
2012	0	88,659	498,022	3,184	2,333,385	768	110,731	15,364	1,129,963	520,246	0	4,700,325
2013	0	41,866	521,606	581	1,106,576	1,572	141,258	10,961	514,239	480,707	0	2,819,367
2014	0	45,556	775,060	2,907	1,505,727	0	208,362	58,843	929,115	478,590	0	4,004,160
2015	0	134,372	420,134	3,488	1,792,217	9,379	256,800	77,575	173,931	196,528	0	3,064,423
2016	0	142,341	376,842	1,163	1,482,890	4,768	204,577	58,460	305,927	241,834	0	2,818,801
2017	0	43,184	547,897	1,163	929,750	266	161,970	4,496	287,280	170,925	0	2,146,931
2018	0	58,946	295,120	1,169	356,532	2,132	149,497	239,821	280,390	219,372	0	1,602,978
2019	0	45,703	543,264	19,768	142,118	533	15,170	88,624	320,794	468,932	0	1,644,905
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.
2022	0	116,452	274,842	17,939	227,683	2,917	52,231	19,976	253,928	175,786	0	1,141,756
Averages:												
Long Term	112	116,966	283,895	38,010	603,311	55,082	151,367	58,046	389,097	218,516	688	1,915,092
3-yr	0	73,700	371,075	12,959	242,111	1,860	72,299	116,140	285,037	288,031	0	1,463,213
% Change from:												
Long Term	-99.6	-0.4	-3.2	-52.4	-62.2	-93.3	-64.9	-65.6	-34.6	-19.5	-98.5	-40.3
3-yr	#DIV/0!	58.0	-25.9	38.4	-6.0	56.8	-27.8	-82.8	-10.9	-39.0	#DIV/0!	-22.0
2019	#DIV/0!	154.8	-49.4	-9.2	60.2	447.3	244.3	-77.5	-20.8	-62.5	#DIV/0!	-30.6

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	Shoveler	Pintail	Dabblers	Redhead	Canvasback	Scaup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks	
1990	615,025	32,210	2,260	7,714		32,108	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		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		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		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		31,725	25,857	8,464	454,684	2,541	859	957	111	0	3,628	497	8,593	9,346	166	472,789	
1995	368,526	94,421	3,221	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		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		46,336	101,558	23,585	802,276	808	790	1,553	0	307	325	8,610	12,393	0	327	814,996	
1998	353,901	69,936	22,322	14,646		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		39,725	22,183	13,207	774,522	1,211	472	6,313	0	0	2,273	53,142	63,411	16,323	0	854,256	
2000	347,559	103,989	4,220	1,802		24,689	55,728	6,163	544,150	1,615	1,226	3,077	0	0	1,299	8,454	15,671	3,414	0	563,235	
2001	302,204	68,560	3,952	4		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		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		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		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		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		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		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		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		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		48,478	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		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		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		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	10,821	10,372	378,298	4,089	3,474	494	1,077	0	1,598	21,432	32,165	6,900	428	417,791	
2017	198,392	71,765	2,866	1,845	0	33,975	14,964	23,162	346,969	12,616	1,135	5,506	4,933	0	3,709	18,081	45,980	2,007	1,574	396,530	
2018	272,859	102,637	2,309	3,358	0	78,498	24,330	8,478	492,469	13,263	1,292	1,001	3,134	0	9,168	13,102	40,961	15,391	359	549,180	
2019	239,831	111,321	2,220	6,159	511	50,415	23,049	6,523	440,029	5,051	0	356	4,102	711	2,672	6,385	19,277	10,462	1,193	470,961	
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2022	179,393	76,391	3,344	10,125	0	23,028	46,015	4,177	342,473	891	433	3,394	2,348	0	5,510	20,609	33,185	3,855	361	379,874	
Averages:																					
Long Term	340,834	83,144	4,243	3,988	64	40,751	30,717	9,944	513,638	4,495	990	4,983	1,238	309	2,985	14,477	29,478	7,591	551	551,257	
3-yr	230,694	96,783	2,624	6,547	170	50,647	31,131	6,393	424,990	6,402	575	1,584	3,195	237	5,783	13,365	31,141	9,903	638	466,672	
% Change from:																					
Long Term	-48.2	-8.4	-21.7	167.6	-100.0	-44.3	52.3	-58.8	-34.1	-80.7	-57.1	-32.6	95.4	-100.0	89.9	44.4	13.1	-50.0	-35.2	-31.8	
3-yr	-22.2	-21.1	27.4	54.6	-100.0	-54.5	47.8	-34.7	-19.4	-86.1	-24.7	114.3	-26.5	-100.0	-4.7	54.2	6.6	-61.1	-43.4	-18.6	
2019	-25.2	-31.4	50.6	64.4	-100.0	-54.3	99.6	-36.0	-22.2	-82.4	#DIV/0!	853.4	-42.8	-100.0	106.2	222.8	72.1	-63.2	-69.7	-19.3	

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	68					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	1,058	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
2000	No Survey																			
2001	2,883	8,031				4,733	476	746	16,869	9,301	363					4,584	14,248			31,117
2002	1,104	3,828				2,295	232	225	7,684	4,441	182					1,990	6,613			14,297
2003	2,126	6,824				4,018	358	540	13,866	7,039	427					3,239	10,705			24,571
2004	2,660	7,755				4,195	584	687	15,881	7,224	326					3,887	11,437			27,318
2005	994	2,442				2,258	207	220	6,121	3,397	337					1,349	5,083			11,204
2006	1,784	4,183				16,682	449	413	23,511	5,387	727					7,743	13,857	0	0	37,368
2007	2,080	3,234	0	0		3,868	135	146	9,463	0	0	0	0	0	0	1,985	1,985	0	0	11,448
2008	1,924	928	0	0		3,051	105	121	6,129	2,139	297	0	0	0	0	2,957	5,393	0	0	11,522
2009	12,665	25,831	2,266	952		32,061	1,455	2,471	77,701	5,695	3,141	3,704	1,498		104	11,351	25,493	604	1,682	105,480
2010	8,878	7,183	0	0	0	9,307	388	413	26,169	14,344	11,188	2,374	171	119	1,832	11,754	41,782	144	564	68,659
2011	2,328	4,403	91	159	0	513	343	121	7,958	1,053	1,700	266	38	0	0	569	3,626	19	115	11,718
2012	4,087	8,014	209	16	0	2,551	2,977	466	18,320	1,825	193	478	60	0	0	2,541	5,097	170	337	23,924
2013	8,838	11,579	157	0	0	2,460	586	712	24,332	3,055	3,722	2,677	59	31	66	4,985	14,595	230	978	40,135
2014	4,155	6,836	0	0	0	2,576	20	88	13,675	2,726	1,869	2,110	0	0	0	2,666	9,371	93	564	23,703
2015	5,507	6,646	15	0	0	4,999	207	346	17,720	1,450	723	2,298	479	22	50	5,137	10,159	117	459	28,455
2016	14,372	6,374	13	32	0	4,160	867	1,102	26,921	5,057	614	4,350	108	0	238	4,245	14,612	28	468	42,030
2017	6,350	24,455	68	19	0	2,688	1,578	1,241	36,399	4,129	965	6,498	128	0	76	9,659	21,455	28	712	58,594
2018	13,869	36,312	292	38	0	19,199	2,766	1,699	74,175	4,848	926	3,910	45	0	139	4,970	14,838	454	1,443	90,910
2019	9,957	15,694	92			27,362	3,786	915	57,807	7,674	1,146	6,149	5,454	325	556	39,327	60,630	166	1,049	119,653
2020	No Survey																			
2021	No Survey																			
2022	No Survey																			
Averages:																				
Long Term	4,391	8,591	246	101	0	6,757	793	722	21,407	5,659	1,149	2,678	619	41	235	5,354	13,763	147	598	35,529
3-yr	10,058	25,487	150	29	0	16,416	2,710	1,285	56,127	5,550	1,012	5,519	1,876	108	257	17,985	32,308	216	1,068	89,719
% Change from:																				
Long Term	137.5	88.2	-64.6	-100.0	#DIV/0!	354.4	451.6	28.0	187.5	37.4	-0.3	157.4	2,430.0	1,977.1	166.5	849.7	401.5	14.7	86.3	267.9
3-yr	-1.0	-38.4	-39.1	-100.0	#DIV/0!	66.7	39.7	-28.8	3.0	38.3	13.2	11.4	190.8	200.0	116.4	118.7	87.7	-22.9	-1.7	33.4
2018	-28.2	-56.8	-68.6	-100.0	#DIV/0!	42.5	36.8	-46.1	-22.1	58.3	23.7	57.3	11,904.7	#DIV/0!	300.6	691.3	308.6	-63.3	-27.3	31.6

<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	Scaup	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	3,464	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	6,894	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	
2017	71,720	50,382	5,675	3,927	123	30,309	29,127	8,296	199,559	5,945	1,349	3,893	7,426	0	6,355	11,136	36,104	3,153	1,038	239,854	
2018	97,148	69,873	8,465	7,137	0	37,459	26,949	2,801	249,832	5,391	2,166	7,538	6,221	0	3,414	14,786	39,516	4,077	430	293,855	
2019	83,867	56,757	4,849	5,777	41	32,604	21,493	6,385	211,772	5,707	2,444	5,387	7,131	41	6,330	8,291	35,331	3,861	479	251,442	
2020	No Survey																				
2021	76,259	64,469	8,927	8,452	0	26,609	28,717	1,354	214,787	2,538	4,455	4,647	3,266	0	3,539	19,851	38,298	6,487	485	260,056	
2022	79,388	46,166	8,556	16,966	86	22,059	77,482	3,145	253,848	7,970	1,758	7,335	4,466	0	11,751	51,683	84,963	5,223	524	344,558	
Averages:																					
Long Term	89,635	53,433	6,519	6,750	296	33,970	26,056	5,548	222,207	8,103	2,174	4,935	6,020	151	4,445	12,100	37,928	4,684	948	265,767	
3-yr	79,838	55,797	7,444	10,399	42	27,091	42,564	3,628	226,802	5,405	2,886	5,790	4,954	14	7,207	26,608	52,864	5,190	496	285,352	
% Change from:																					
Long Term	-11.8	-14.0	32.8	166.9	-71.7	-35.9	221.8	-44.2	14.9	-1.7	-19.7	51.5	-26.5	-100.0	182.2	388.6	135.2	12.0	-45.6	31.1	
3-yr	-0.6	-17.3	14.9	63.2	103.4	-18.6	82.0	-13.3	11.9	47.5	-39.1	26.7	-9.9	-100.0	63.1	94.2	60.7	0.6	5.7	20.7	
2021	4.1	-28.4	-4.2	100.7	#DIV/0!	-17.1	169.8	132.2	18.2	214.0	-60.5	57.8	36.7	#DIV/0!	232.0	160.4	121.8	-19.5	8.2	32.5	

<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	1,492	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	1,998						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	0	0		6,309	3,925	1,791	44,864	5,712	0	0	0	0	0	561	6,273	0	0	51,137	
2007	14,605	4,704	0	0		9,266	454	1,343	30,372	2,020	0	0	0	0	0	510	2,530	0	0	32,902	
2008	13,743	14,249	0	0		14,720	1,362	358	44,432	7,145	0	0	0	0	0	459	7,604	0	0	52,036	
2009	13,685	14,386	0	0		10,514	1,557	537	40,679	5,799	0	0	0	0	0	2,986	8,785	0	0	49,464	
2010	13,570	7,979	0	0		12,354	2,789	627	37,319	6,971	0	0	0	0	0	476	7,447	0	0	44,766	
2011	10,695	3,911	0	0		4,337	260	90	19,293	1,238	0	0	0	0	0	680	1,918	0	0	21,211	
2012	16,561	6,345	0	0		6,769	1,427	358	31,460	2,345	0	0	0	0	0	723	3,068	0	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	7306	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	
2017	25,991	7,001	213	0	0	12,617	1,492	1,075	48,389	6,602	658	576	0	0	0	2,603	10,439	0	0	58,828	
2018	8,798	1,969	30	2,125	0	6,379	2,400	179	21,880	3,258	51	30	0	0	0	102	3,441	0	0	25,321	
2019	16,906	8,041	0	0	0	19,188	389	537	45,061	5,516	1,063	0	0	0	0	357	6,936	0	0	51,997	
2020	No Survey	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.
2022	24,668	11,186	182	30	0	11,040	324	269	47,699	8,057	2,732	364	0	0	0	6,873	18,026	0	0	65,725	
Averages:																					
Long Term	12,007	7,727	76	303	1	7,742	3,177	825	29,743	4,552	522	164	0	0	0	3,014	7,898	5	0	39,562	
3-yr	16,791	7,065	71	718	0	12,202	1,038	328	22,928	5,610	1,282	131	0	0	0	2,444	9,468	0	0	47,681	
% Change from:																					
Long Term	112.9	47.0	164.3	-90.7	-100.0	44.7	-90.1	-68.1	53.2	81.6	650.4	143.2	#DIV/0!	#DIV/0!	#DIV/0!	138.2	138.4	-100.0	#DIV/0!	69.9	
3-yr	46.9	58.3	157.5	-95.8	#DIV/0!	-9.5	-68.8	-18.1	108.0	43.6	113.1	177.2	#DIV/0!	#DIV/0!	#DIV/0!	181.2	90.4	#DIV/0!	#DIV/0!	37.8	
2019	45.9	39.1	#DIV/0!	#DIV/0!	#DIV/0!	-42.5	-16.7	-49.9	5.9	46.1	157.0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	1,825.2	159.9	#DIV/0!	#DIV/0!	26.4	

<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	Scaup	Ringneck	Goldeneye	Bufflehead	Ruddy	Divers	Wood Duck	Mergansers	Ducks	
1990	58,502	11,557	6,001	2,323	27,932		5,119	653	112,087	19,976	150	8,431	1,014	3,131	1,011	13,198	46,911	1,143	56	160,197	
1991	42,194	8,328	5,861	2,175	28,528		3,639	379	91,104	16,956	222	12,842	1,983	2,352	1,003	9,947	45,305	2,092	348	138,849	
1992	38,905	7,685	2,646	1,167	28,436		3,576	815	83,230	9,665	274	6,349	2,032	1,530	666	6,827	27,343	3,539	181	114,293	
1993	51,049	10,413	4,102	1,345	24,797		4,345	1,990	98,041	14,524	728	11,040	1,590	1,501	533	6,072	35,988	1,535	51	135,615	
1994	52,626	10,763	4,798	1,669	20,733		3,910	954	95,453	14,922	80	5,300	1,350	1,496	71	8,291	31,510	2,406	224	129,593	
1995	58,907	11,027	3,761	2,987	16,361		5,194	1,164	99,401	12,942	677	9,942	5,937	2,459	2,461	9,956	44,374	1,256	2,277	147,308	
1996	61,615	14,996	6,010	3,953	14,080		6,092	1,848	108,594	14,042	640	11,762	3,815	2,358	4,886	14,511	52,014	2,056	593	163,257	
1997	66,991	15,304	8,392	7,040	16,903		11,770	2,802	129,202	12,363	1,362	8,433	2,490	1,877	5,358	9,837	41,720	1,584	270	172,776	
1998	78,962	17,077	7,039	7,175	20,228		12,580	2,110	145,171	12,399	619	7,674	2,490	1,308	805	15,474	40,769	1,836	668	188,444	
1999	86,243	17,130	5,721	3,665	20,916		14,926	2,145	150,746	13,568	1,032	10,697	3,835	1,993	1,094	14,556	46,775	2,496	182	200,199	
2000	60,434	13,908	4,523	3,320	19,848		9,100	970	112,103	15,584	603	6,982	5,100	2,126	410	11,419	42,224	1,841	161	156,329	
2001	50,464	16,260	3,593	3,036	17,931		8,000	1,017	100,301	13,915	1,073	10,976	3,931	3,643	826	9,156	43,520	2,223	356	146,400	
2002	44,676	18,526	6,500	2,673	24,369		5,968	395	103,107	11,830	1,506	9,289	1,405	4,036	1,606	9,023	38,695	1,863	327	143,992	
2003	39,843	15,353	5,028	1,749	11,272		7,794	608	81,647	8,117	919	12,722	3,063	4,713	3,034	12,175	44,743	616	757	127,763	
2004	39,958	15,184	5,442	1,477	13,618		6,293	1,096	83,068	8,364	618	4,807	850	3,254	1,280	9,624	28,797	1,553	463	113,881	
2005	40,794	15,665	3,439	2,406	12,404		4,477	644	79,829	4,978	610	5,741	2,525	3,567	2,425	10,150	29,996	1,375	304	111,504	
2006	45,485	17,995	6,012	4,095	9,544		6,581	1,089	90,801	8,492	1,460	9,709	3,640	2,847	6,361	10,464	42,973	1,549	121	135,444	
2007	46,053	17,165	6,240	4,060	11,999		5,409	723	91,649	8,265	756	6,530	2,732	2,837	2,809	9,538	33,467	1,870	1,279	128,265	
2008	50,646	14,065	2,618	1,590	11,920		4,898	450	86,187	7,757	1,132	4,244	2,995	3,841	3,728	8,262	31,959	1,781	969	120,896	
2009	47,544	12,212	4,283	5,741	9,217		5,555	1,198	85,749	7,156	873	5,982	2,521	3,686	949	8,378	29,545	1,327	1,030	117,650	
2010	91,782	18,638	5,744	5,938	1,781	9,443	13,978	875	148,179	8,816	66	2,439	3,056	80	7,642	2,907	25,006	1,675	709	175,567	
2011	71,376	11,033	6,465	13,306	1,461	3,064	8,966	0	115,671	4,401	262	3,364	5,017	87	5,302	7,831	26,264	1,915	1,902	145,752	
2012	89,385	15,660	6,154	5,000	1,587	5,354	5,954	770	129,864	6,798	206	3,426	7,450	846	7,717	5,770	32,213	1,722	1,722	165,520	
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	3,723	1,087	155,664	
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	
2015	86,392	22,532	8,553	12,530	797	10,377	5,160	763	147,104	4,750	745	2,217	7,045	222	3,405	20,681	39,065	4,911	1,860	192,940	
2016	59,864	14,561	6,347	4,770	382	8,143	2,841	817	97,725	7,413	0	2,589	4,068	79	1,347	2,268	17,765	3,529	2,422	121,440	
2017	103,384	18,626	10,020	21,482	528	6,390	17,766	6,570	184,766	7,827	482	3,373	11,809	64	13,634	8,707	45,896	6,191	3,147	240,000	
2018	124,935	28,414	8,775	10,477	3,938	14,778	17,774	2,800	211,892	9,309	247	6,443	10,924	824	4,577	20,149	52,473	11,932	3,844	280,141	
2019	126,243	24,178	8,080	13,779	247	16,326	9,860	1,098	199,812	12,886	0	6,075	3,654	146	5,355	8,886	37,001	7,103	4,313	248,229	
2020	No Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2021	No Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2022	87,374	17,226	12,456	14,432	0	8,414	13,693	1,096	154,691	3,279	0	7,249	8,196	399	12,177	20,346	51,647	8,865	4,478	219,681	
Averages:																					
Long Term	66,554	15,753	5,998	5,757	12,097	9,006	7,837	1,262	118,454	10,276	575	6,837	4,022	1,904	3,654	10,433	37,700	3,021	1,298	160,473	
3-yr	112,851	23,273	9,770	12,896	1,395	13,173	13,776	1,665	188,798	8,491	82	6,589	7,591	457	7,370	16,460	47,040	9,300	4,212	249,351	
% Change from:																					
Long Term	32.7	9.7	115.4	163.9	-100.0	-7.2	79.2	-13.5	31.9	-68.8	-100.0	6.2	111.1	-79.6	261.3	101.4	38.7	213.7	275.8	38.6	
3-yr	-22.6	-26.0	27.5	11.9	-100.0	-36.1	-0.6	-34.2	-18.1	-61.4	-100.0	10.0	8.0	-12.5	65.2	23.6	9.8	-4.7	6.3	-11.9	
2019	-30.8	-28.8	54.2	4.7	-100.0	-48.5	38.9	-0.2	-22.6	-74.6	#DIV/0!	19.3	124.3	173.3	127.4	129.0	39.6	24.8	3.8	-11.5	

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

**Duck breeding population index from State breeding waterfowl surveys in California, Nevada<sup>a</sup>, Oregon, Utah<sup>a</sup>, 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	1,299,733	
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	176,602	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	14,881	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	2,598	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	37,092	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	22,886	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	
2017	405,837	172,229	18,842	27,273	651	85,979	64,927	40,344	816,082	37,119	4,589	19,846	24,296	64	23,774	50,186	150,969	11,379	6,471	984,901	
2018	517,609	239,205	19,870	23,135	3,938	156,313	74,220	15,958	1,050,248	36,069	4,683	18,923	20,324	824	17,298	53,109	151,229	31,854	6,076	1,239,407	
2019	476,803	215,992	15,241	25,716	799	145,895	58,576	15,459	954,480	36,834	4,653	17,967	20,340	1,223	14,912	63,246	159,175	21,592	7,034	1,142,282	
2020	Incomplete Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2021	Incomplete Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
2022	Incomplete Survey	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Averages:																					
Long Term	513,849	177,367	17,077	16,346	10,528	90,276	66,938	16,048	908,429	32,665	5,349	17,262	12,081	2,449	11,435	43,070	123,969	15,782	3,743	1,051,923	
3-yr	497,206	227,598	17,555	24,425	2,369	151,104	66,398	15,708	1,002,364	36,451	4,668	18,445	20,332	1,023	16,105	58,177	155,202	26,723	6,555	1,190,844	
% Change from:																					
Long Term	-7.2	21.8	-10.8	57.3	-92.4	61.6	-12.5	-3.7	5.1	12.8	-13.0	4.1	68.4	-50.1	30.4	46.8	28.4	36.8	88.0	8.6	
3-yr	2.2	3.3	-15.3	1.3	-55.5	12.8	-11.1	-35.4	1.5	0.4	0.2	-5.0	-6.1	73.8	-20.1	13.9	3.5	-0.1	7.8	1.8	
2018	-7.9	-9.7	-23.3	11.2	-79.7	-6.7	-21.1	-3.1	-9.1	2.1	-0.6	-5.1	0.1	48.4	-13.8	19.1	5.3	-32.2	15.8	-7.8	

<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.

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	.	.	.	.	.	.	375,844	59,873	.	.	.	.
1993	282,983	29,533	.	.	.	.	.	.	359,008	50,253	.	.	.	.
1994	350,875	37,142	.	.	.	.	116,430	13,280	311,692	40,362	.	.	.	.
1995	524,200	67,975	.	.	.	.	77,515	7,265	368,526	42,126	.	.	.	.
1996	522,006	43,552	.	.	.	.	102,168	8,886	536,709	79,656	.	.	.	.
1997	584,247	51,997	.	.	.	.	121,155	12,503	511,344	103,580	.	.	.	.
1998	836,216	67,284	.	.	.	.	124,942	10,548	353,901	47,746	.	.	.	.
1999	713,054	69,568	.	.	.	.	125,631	9,255	560,063	106,201	.	.	.	.
2000	770,333	52,159	.	.	.	.	110,854	9,055	347,559	52,463	.	.	.	.
2001	718,286	54,127	.	.	.	.	.	.	302,204	44,361	.	.	.	.
2002	667,339	50,687	.	.	.	.	104,481	9,030	265,295	31,385	.	.	.	.
2003	843,497	66,823	.	.	.	.	89,032	8,047	337,056	49,485	.	.	.	.
2004	811,135	63,878	.	.	.	.	82,461	6,900	262,424	34,483	.	.	.	.
2005	703,140	54,748	.	.	.	.	74,115	6,379	317,869	46,930	.	.	.	.
2006	515,821	46,935	90,404	8,628	.	.	81,108	6,775	399,436	57,229	.	.	.	.
2007	581,493	55,053	98,840	7,900	.	.	92,461	7,425	388,324	54,106	.	.	.	.
2008	532,414	46,797	81,124	5,914	.	.	75,363	6,725	297,129	47,349	.	.	.	.
2009	502,970	44,896	72,505	5,287	.	.	72,616	5,867	301,960	63,641	.	.	.	.
2010	605,556	53,070	81,131	6,121	92,911	11,680	66,762	5,657	367,891	55,412	608,695	57,240	1,214,251	78,056
2011	415,825	38,767	69,726	6,872	71,375	9,456	61,556	4,637	314,715	44,975	517,372	46,700	933,197	60,694
2012	505,583	51,067	75,561	8,401	89,468	8,203	88,803	7,505	387,061	54,532	640,893	56,284	1,146,476	75,998
2013	338,379	38,215	82,944	7,613	74,406	8,917	84,336	6,431	298,636	52,290	540,322	53,973	878,701	66,132
2014	500,879	57,351	82,633	6,805	86,344	10,250	85,259	8,572	238,666	54,606	492,902	56,628	993,781	80,597
2015	470,915	50,867	81,377	6,873	86,417	9,041	87,361	8,611	173,865	28,175	429,020	31,574	899,935	59,870
2016	584,200	65,389	73,991	6,216	59,864	4,681	87,346	8,038	263,774	35,602	484,975	37,319	1,069,175	75,289
2017	538,451	51,882	70,903	6,944	103,384	9,770	71,720	6,138	198,392	31,863	444,399	34,592	982,850	62,356
2018	450,750	45,061	79,309	5,697	124,935	10,013	97,148	11,407	272,859	42,037	574,251	45,055	1,025,001	63,722
2019	361,060	35,347	74,535	7,495	126,243	12,114	83,867	6,992	239,831	32,223	524,476	35,918	885,535	50,393
2020*	.	.	.	.	.	.	.	.	.	.	.	.	.	No Survey
2021*	641,300	59,100	.	.	.	.	76,259	8,574	.	.	.	.	Incomplete Survey	
2022	614,400	69,800	80,883	5,872	87,374	7,408	79,388	8,645	179,393	29,275	427,000	32,000	1,041,500	76,800
Averages:														
Long Term	488,938	46,642	79,724	6,843	91,156	9,230	89,635	8,117	328,670	50,766	516,755	44,298	1,006,400	68,173
3-yr	538,920	54,749	78,242	6,355	112,851	9,845	79,838	8,070	230,694	34,512	508,576	37,658	984,012	63,638
% Change from:														
Long Term	26.4	51.4	1.6	-15.0	-4.5	-21.3	-11.8	6.8	-46.3	-43.2	-18.8	-29.7	3.8	14.1
3-yr	14.0	27.5	3.4	-7.6	-22.6	-24.8	-0.6	7.1	-22.2	-15.2	-16.0	-15.0	5.8	20.7
2019	-4.2	18.1	8.5	-21.7	-30.8	-38.8	4.1	0.8	-25.2	-9.1	-18.6	-10.9	17.6	52.4

\*All surveys were canceled in 2020, and only Alaska (Strata 1–11) and Oregon conducted surveys in 2021. See Adaptive Harvest Management reports for 2020 and 2021 calculations.

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>a</sup>	21,420				Direct count
1997 <sup>a</sup>	22,800				Direct count
1998 <sup>a</sup>	27,600				Direct count
1999 <sup>a</sup>	15,451	558	14,357	16,544	Mark-resight
2000 <sup>a</sup>	20,393	763	18,898	21,887	Mark-resight
2001 <sup>a</sup>	32,440	1,070	30,343	34,536	Mark-resight
1999	35,336	3,120	29,220	41,452	Mark-resight
2000	34,182	1,339	31,558	36,806	Mark-resight
2001	88,292	18,736	51,570	125,014	Mark-resight
2002	65,211	12,882	39,963	90,459	Mark-resight
2003	73,029	2,761	67,618	78,441	Mark-resight
2004	111,091	4,375	102,516	119,665	Mark-resight
2005	87,841	4,841	78,353	97,328	Mark-resight
2006	97,225	4,524	88,358	106,091	Mark-resight
2007	117,347	9,797	98,145	136,550	Mark-resight
2008	116,119	7,438	101,539	130,698	Mark-resight
2009	81,766	13,347	55,606	107,927	Mark-resight
2010	106,691	8,986	89,077	124,304	Mark-resight
2011	105,271	8,405	88,797	121,745	Mark-resight
2012	135,914	10,925	114,501	157,328	Mark-resight
2013	166,292	15,857	135,213	197,371	Mark-resight
2014	149,968	13,087	124,318	175,618	Mark-resight
2015	197,726	17,822	162,795	232,657	Mark-resight
2016	154,660	13,368	128,459	180,861	Mark-resight
2017	168,548	20,345	128,671	208,424	Mark-resight
2018	171,333	16,228	139,526	203,141	Mark-resight
2019	199,539	27,750	145,149	253,930	Mark-resight
2020	118,388	12,698	93,499	143,276	Mark-resight
2021	182,377	18,419	146,275	218,478	Mark-resight
2022	215,236	28,974	158,447	272,026	Mark-resight
Averages:					
Long Term	63,363	11,052	91,214	134,539	
3-yr	172,000	20,031	132,740	211,260	
% Change from:					
Long Term	256.8	179.6	78.8	110.5	
3-yr	25.1	44.7	19.4	28.8	
2021	18.0	57.3	8.3	24.5	

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

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		10,205	866	13,798	1,081	47,223	4,323
1986		10,308	539	12,823	639	43,886	3,012
1987		13,013	624	17,472	876	59,797	4,119
1988		15,987	637	23,914	986	81,845	5,131
1989	92,062	21,133	850	25,273	1,003	86,495	5,335
1990	94,237	20,356	845	31,564	1,370	108,026	6,927
1991	148,628	22,746	908	29,366	1,206	100,502	6,288
1992	149,542	28,644	1,096	44,588	1,768	152,601	9,408
1993	184,844	33,816	1,117	45,494	1,540	155,703	9,043
1994	198,558	41,034	1,314	64,495	2,044	220,733	12,549
1995	202,969	49,329	1,842	69,728	2,395	238,642	13,932
1996	193,531	39,338	1,488	73,789	2,550	252,539	14,773
1997	256,715	48,987	1,613	87,303	2,874	298,790	17,195
1998	215,644	44,351	1,815	61,689	2,466	211,128	13,061
1999	306,065	48,489	1,558	70,178	2,400	240,180	14,000
2000	273,108	51,067	1,573	72,392	2,336	247,759	14,166
2001	206,249	50,019	1,758	76,756	2,829	262,695	15,732
2002	177,794	41,530	1,292	49,457	1,669	169,264	9,822
2003	251,594	42,049	1,388	70,845	2,455	242,466	14,199
2004		41,247	1,488	51,741	1,755	177,082	10,293
2005		45,204	1,676	66,597	2,387	227,925	13,510
2006		49,025	1,718	73,500	2,587	251,551	14,811
2007		54,318	1,795	78,011	2,358	266,990	14,964
2008		54,257	1,848	86,074	2,785	294,586	16,858
2009		54,740	1,823	70,188	2,406	240,215	14,013
2010		51,923	1,670	84,950	3,936	290,736	19,235
2011	242,467	44,815	1,567	56,709	1,955	194,083	11,344
2012	272,493	53,227	2,095	61,636	2,369	210,947	12,841
2013	259,323	68,948	2,884	94,874	4,205	324,701	21,030
2014		57,051	2,417	84,050	3,654	287,659	18,464
2015		60,506	2,131	106,386	4,743	364,101	23,646
2016		79,639	2,538	97,728	3,083	334,471	18,988
2017		68,167	2,032	85,310	2,664	291,971	16,524
2018		55,517	1,917	60,802	2,175	208,093	12,326
2019		52,812	1,814	59,973	2,157	205,255	12,181
2020		No Survey	.	.	.	.	.
2021		51,115	2,058	60,466	2,373	206,941	12,705
2022		52,508	1,872	69,681	2,620	238,481	14,393
Averages:							
Long Term		43,984		61,881		211,786	
3-yr		52,145		63,373		216,892	
% Change from:							
Long Term		20.0		13.0		13.0	
3-yr		0.7		10.0		10.0	
2022		2.7		15.2		15.2	

<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.

**Total breeding population indices for Taverner's Cackling Goose from the Yukon-Kuskokwim Delta Coastal Zone Survey (YKD CZ), portions of the Waterfowl Breeding Population and Habitat Survey - YKD Inland (Strata 9), Seward Peninsula (Strata 10), and Kotzebue Sound (Strata 11), and Arctic Coastal Plain (ACP) Survey, 1985–current.**

Year	YKD CZ	SE	Strata 9	SE	Strata 10	SE	Strata 11	SE	ACP	SE	Total Estimate	SE
1985	5,335	1,166	16,035	2,822	7,700	5,698	15,047	4,825	.	.	.	.
1986	4,906	735	17,774	1,693	8,113	7,233	9,474	3,018	.	.	.	.
1987	4,269	906	22,218	7,319	5,225	2,543	4,570	1,412	.	.	.	.
1988	8,401	1,688	14,973	2,036	4,813	810	17,945	4,360	.	.	.	.
1989	8,851	1,441	23,280	2,927	3,850	2,058	11,146	2,059	.	.	.	.
1990	7,830	1,868	25,405	2,201	3,575	1,367	9,697	2,145	.	.	.	.
1991	7,086	1,206	26,951	4,544	5,913	1,784	30,763	22,758	.	.	.	.
1992	8,168	1,727	23,763	2,877	11,550	5,365	15,381	6,095	.	.	.	.
1993	8,645	2,077	19,126	3,378	5,363	2,333	9,920	1,400	.	.	.	.
1994	7,151	1,373	24,922	3,687	5,225	2,367	13,486	4,814	.	.	.	.
1995	6,613	1,661	19,996	2,697	3,300	2,664	8,805	5,081	.	.	.	.
1996	6,613	1,251	25,792	5,057	6,600	4,718	14,155	6,249	.	.	.	.
1997	6,697	1,107	20,092	2,270	6,050	1,881	15,827	5,227	.	.	.	.
1998	8,581	1,819	21,155	3,859	5,638	1,474	12,929	2,847	.	.	.	.
1999	12,909	2,071	17,678	2,925	3,988	2,524	13,709	4,336	.	.	.	.
2000	9,696	2,486	12,600	2,042	3,850	778	13,152	7,027	.	.	.	.
2001	7,814	1,478	14,669	1,980	4,125	2,447	20,954	13,369	.	.	.	.
2002	5,991	1,061	13,353	2,584	6,738	2,987	9,363	742	.	.	.	.
2003	8,980	1,730	17,114	2,974	6,600	1,420	10,811	3,017	.	.	.	.
2004	7,684	2,668	12,882	1,840	5,225	2,318	6,910	2,328	.	.	.	.
2005	6,828	2,002	14,199	1,994	3,163	1,354	10,477	4,372	.	.	.	.
2006	9,520	1,955	15,515	2,220	4,950	651	8,136	1,833	.	.	.	.
2007	5,785	1,593	10,155	1,700	5,225	493	7,356	2,472	25,663	5,279	54,184	6,297
2008	10,598	1,939	21,627	8,864	8,388	3,441	6,019	1,631	4,245	1,195	50,877	9,913
2009	7,716	1,695	9,967	1,783	4,950	2,178	6,465	1,099	19,731	5,932	48,829	6,869
2010	9,144	2,079	18,148	1,145	5,500	2,069	7,802	2,090	15,652	3,448	56,246	5,116
2011	5,948	1,194	11,942	1,738	2,750	986	5,573	1,090	8,701	1,699	34,914	3,081
2012	9,220	3,195	9,967	2,128	4,675	1,042	7,914	1,143	14,435	3,279	46,211	5,280
2013	9,363	2,431	5,360	1,738	3,025	369	5,684	1,683	3,741	967	27,173	3,582
2014	12,953	4,893	6,488	2,923	8,663	3,655	6,910	1,094	6,971	1,662	41,985	7,058
2015	20,004	5,133	6,137	1,854	2,727	289	4,681	2,801	8,401	1,241	41,951	6,266
2016	8,422	2,082	12,224	3,506	6,875	1,605	6,688	2,729	16,894	3,062	51,102	6,003
2017	9,525	3,410	7,242	1,332	11,413	4,717	3,009	636	12,963	3,130	44,153	6,772
2018	15,668	4,955	6,958	2,966	7,700	1,506	4,458	1,851	9,647	2,161	44,431	6,611
2019	11,257	3,210	9,497	3,294	5,775	1,077	3,009	854	13,241	1,838	42,779	5,140
2020	.	.	.	.	.	.	.	.	No Survey	.	No Survey	.
2021	22,793	7,901	5,642	1,236	5,133	2,567	3,790	1,379	No Survey	.	Incomplete Survey	.
2022	11,733	4,542	9,027	3,532	2,750	986	4,013	1,216	18,856	3,018	46,378	6,683
Averages:												
Long Term	9,154		15,402		5,597		9,893		12,796		45,087	
3-yr	15,261		8,055		4,553		3,604		13,914		44,529	
% Change from:												
Long Term	29.2		-42.1		-51.6		-60.1					
3-yr	-23.1		12.1		-39.6		11.3					
2021	-48.5		60.0		-46.4		5.9					

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

Year	Copper River Delta										Middleton Island Adults	Total	
	Total		Breeding		Flocked		Adjusted <sup>1</sup>		Estimate	SE			
	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE					
1986	5,446	405	4,764	400	682	280	16,602	2,066	80	16,682	2,066		
1987	5,215	414	4,056	307	1,159	282	14,713	1,695	84	14,797	1,695		
1988	5,147	376	4,481	329	666	139	15,640	1,830	90	15,730	1,830		
1989	6,596	577	4,398	329	2,198	379	16,894	1,844	75	16,969	1,844		
1990	5,220	668	4,229	481	991	370	15,122	2,152	93	15,215	2,152		
1991	3,628	411	2,745	341	883	216	10,055	1,467	249	10,304	1,467		
1992	6,391	789	4,164	283	2,227	701	16,142	1,795	473	16,615	1,795		
1993	6,090	504	3,765	266	2,325	473	14,907	1,585	473	15,380	1,585		
1994	5,629	439	3,975	257	1,654	303	14,936	1,580	473	15,409	1,580		
1995	3,642	287	3,304	224	338	106	11,379	1,313	473	11,852	1,313		
1996	3,511	263	2,905	172	606	144	10,313	1,115	1,497	11,810	1,115		
1997	4,074	211	3,354	162	719	117	11,929	1,222	1,168	13,097	1,222		
1998	4,902	359	3,601	219	1,301	242	13,335	1,401	1,168	14,503	1,401		
1999	3,032	204	2,601	158	431	101	9,123	1,002	1,168	10,291	1,002		
2000	2,951	175	2,483	150	468	93	8,765	955	1,309	10,074	955		
2001	3,248	195	2,857	171	391	85	9,939	1,094	1,309	11,248	1,094		
2002	3,940	276	3,051	169	889	187	11,084	1,156	1,416	12,500	1,156		
2003	3,218	228	2,302	128	917	150	8,608	875	1,416	10,024	875		
2004	3,225	233	2,805	188	419	102	9,794	1,113	1,499	11,293	1,113		
2005	5,385	609	4,159	417	1,226	294	15,123	1,967	1,499	16,622	1,967		
2006	3,172	216	2,750	190	421	120	9,612	1,104	1,453	11,065	1,104		
2007	2,927	209	2,519	170	408	75	8,825	1,000	1,453	10,278	1,000		
2008	2,552	173	2,279	158	273	64	7,888	911	1,317	9,205	911		
2009	1,783	171	1,521	101	262	116	5,346	610	1,317	6,663	610		
2010	2,655	186	2,277	131	379	94	7,986	864	1,249	9,235	864		
2011	3,631	338	2,801	193	829	192	10,191	1,132	1,249	11,440	1,132		
2012	3,903	314	3,331	231	572	123	11,701	1,335	1,193	12,894	1,335		
2013	No Survey	.	.	.	.	.	.	.	1,193	.	.		
2014	4,509	278	3,509	214	1,000	155	12,727	1,354	1,780	14,507	1,354		
2015	6,018	481	4,181	242	1,838	378	15,808	1,625	2,112	17,920	1,641		
2016	4,050	314	3,483	261	567	123	12,207	1,435	3,536	15,743	1,504		
2017	3,551	245	2,991	192	560	176	10,555	1,179	2,288	12,843	1,218		
2018	3,204	250	2,280	129	923	200	8,543	881	3,414	11,957	1,018		
2019	6,881	2,040	3,293	276	3,588	2,007	14,591	2,456	3,414	18,005	2,508		
2020	No Survey	.	.	.	.	.	.	.	.	.	.		
2021	3,408	211	2,957	169	451	78	10,331	1,118	2,708	13,039	1,175		
2022	3,717	256	2,874	163	843	151	10,448	1,092	2,708	13,156	1,151		
Averages:													
Long Term	4,184		3,230		954		11,747		1,344	13,096			
3-yr	4,669		3,041		1,627		11,790		2,943	14,734			
% Change from:													
Long Term	-11.5		-11.3		-12.0		-11.4		107.5	0.5			
3-yr	-20.4		-5.5		-48.2		-11.4		-8.0	-10.7			
2021	9.1		-2.8		86.9		1.1		0.0	0.9			

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

**Total breeding population indices for Lesser Canada Goose from portions of the Waterfowl Breeding Population and Habitat Survey - Kenai-Susitna (Strata 1), Nelchina (Strata 2), Tanana-Kuskokwim (Strata 3), Yukon Flats (Strata 4), and Old Crow Flats (Strata 12), 1964–current.**

Year	Strata 1	SE	Strata 2	SE	Strata 3	SE	Strata 4	SE	Strata 12	SE	Total Estimate	SE
1964	110	120	150	142	0	0	1,929	1,655	125	107	2,314	1,669
1965	1,100	682	0	0	352	364	1,234	840	0	0	2,687	1,142
1966	0	0	0	0	141	136	284	265	0	0	425	298
1967	3,740	3,038	450	426	2,159	1,135	7,020	3,168	109	103	13,478	4,555
1968	385	422	0	0	775	363	8,370	4,826	438	284	9,968	4,866
1969	3,410	3,735	0	0	705	345	3,645	1,593	0	0	7,760	4,076
1970	2,805	2,748	0	0	705	393	8,505	4,209	657	620	12,671	5,080
1971	220	241	0	0	2,466	1,003	5,400	3,166	109	103	8,195	3,331
1972	0	0	0	0	705	393	2,700	1,180	0	0	3,405	1,243
1973	220	216	0	0	1,832	500	4,050	1,097	274	258	6,375	1,252
1974	330	162	150	142	14,655	14,539	5,940	1,642	109	103	21,184	14,633
1975	0	0	0	0	986	543	4,590	995	1,368	1,291	6,944	1,718
1976	0	0	0	0	1,127	437	1,755	625	109	103	2,992	769
1977	770	488	150	142	1,057	394	1,890	815	821	775	4,688	1,295
1978	0	0	0	0	1,832	653	4,995	2,124	109	103	6,936	2,224
1979	110	108	0	0	1,620	678	4,590	1,693	219	82	6,539	1,829
1980	0	0	450	464	1,691	539	10,530	3,173	219	207	12,890	3,258
1981	330	235	375	255	2,677	1,001	13,770	3,564	1,259	1,017	18,411	3,855
1982	1,210	1,056	150	155	1,550	666	9,990	4,167	3,119	2,685	16,019	5,114
1983	220	216	0	0	1,550	883	1,620	548	0	0	3,390	1,062
1984	990	970	2,325	2,199	1,127	371	9,180	3,538	219	207	13,841	4,298
1985	385	377	0	0	705	432	7,830	3,152	657	620	9,576	3,263
1986	1,430	1,401	150	142	775	671	4,320	2,114	0	0	6,675	2,627
1987	220	216	150	142	705	253	2,970	1,070	547	516	4,592	1,242
1988	440	332	525	496	986	400	3,780	750	1,040	981	6,771	1,429
1989	715	701	0	0	423	221	5,940	2,012	0	0	7,078	2,142
1990	770	754	750	774	2,748	1,721	7,290	3,229	109	103	11,667	3,817
1991	495	485	2,175	1,726	1,409	568	0	0	219	125	4,298	1,885
1992	4,290	4,203	0	0	845	503	2,565	1,137	1,423	1,196	9,123	4,544
1993	495	485	150	155	282	200	4,860	1,379	109	103	5,896	1,487
1994	1,925	1,886	150	142	2,889	2,447	10,530	3,761	1,204	698	16,698	4,919
1995	715	592	675	541	705	345	7,020	2,669	438	342	9,552	2,829
1996	1,100	1,078	300	195	1,339	681	4,725	2,116	219	207	7,683	2,487
1997	715	575	300	195	564	266	2,970	783	438	251	4,986	1,056
1998	880	862	0	0	141	141	4,590	1,636	109	103	5,720	1,857
1999	110	108	2,175	1,919	141	145	2,295	953	930	380	5,651	2,183
2000	3,960	3,761	375	255	493	262	3,240	1,791	1,204	811	9,272	4,259
2001	110	93	0	0	1,033	452	4,590	1,822	328	155	6,062	1,886
2002	990	847	600	320	1,127	472	1,890	780	328	226	4,936	1,305
2003	110	108	150	142	352	254	5,265	2,150	383	216	6,260	2,183
2004	440	431	600	619	916	336	3,915	1,681	438	95	6,309	1,876
2005	314	328	0	0	282	187	3,645	1,356	602	245	4,843	1,428
2006	330	132	0	0	634	388	2,700	772	547	41	4,211	875
2007	0	0	375	387	986	692	2,970	1,457	5,199	3,660	9,530	4,018
2008	1,650	1,617	0	0	423	221	7,200	3,400	985	665	10,258	3,830
2009	605	593	0	0	564	329	4,455	1,941	766	287	6,390	2,076
2010	0	0	450	285	581	239	4,860	1,730	930	878	6,822	1,975
2011	0	0	150	142	423	221	1,080	695	1,915	1,808	3,568	1,954
2012	1,344	954	0	0	1,127	876	1,350	875	0	0	3,822	1,563
2013	.	.	0	0	1,268	599	540	359	1,861	1,584	Incomplete Survey	.
2014	122	131	0	0	436	323	540	380	1,751	657	2,849	835
2015	183	173	0	0	141	136	7,020	5,629	1,259	300	8,603	5,641
2016	0	0	600	567	986	606	2,160	465	657	452	4,403	1,054
2017	244	230	0	0	1,350	665	1,080	718	1,368	1,291	4,043	1,636
2018	0	0	0	0	0	0	1,080	541	930	422	2,010	686
2019	122	115	0	0	564	329	11,340	6,988	1,040	811	13,066	7,043
2020	.	.	.	.	.	.	.	.	.	.	No Survey	.
2021	0	0	0	0	581	425	4,590	1,386	.	.	Incomplete Survey	.
2022	122	115	0	0	282	291	4,590	4,301	0	0	4,994	4,313
Averages:												
Long Term	724		259		1,188		4,548		688		7,488	
3-yr	81		0		476		6,840		657		6,690	
% Change from:												
Long Term	-83.4		-100.0		-76.6		0.9					
3-yr	50.0		#DIV/0!		-40.7		-32.9					
2021	#DIV/0!		#DIV/0!		-51.5		0.0					



Wrangel Island Population of Lesser Snow Geese abundance and productivity indices from Wrangel Island, Russia, 1966–current.

Year	Population			Total spring	Nesting			Brood Size		Colony Size (ha)
	Adults	Breeding adults	% Juvenile		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		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		35,000		140,000	10,000	35.0	4.2	2.6		500
2009		108,800		132,500	54,400	79.5	4.1	3.6		1,600
2010	127,000	25,000		150,000	8,000		3.6	2.7		500
2011	144,800	143,000	3.5	155,000	71,200	81.0	4.2	3.7		1,400
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	215,400	4.8	240,000	107,700	89.1	4.0	3.7		2,680
2016	251,000	237,000	20.0	300,000	118,600	89.5	3.9	3.7		3,240
2017	294,800	201,500	14.8	346,000	109,500	75.5	3.7	3.4	2.7	2,810
2018	297,000	281,800	3.2	306,000	76,650	73.9	4.8	3.6		2,435
2019		313,200	29.1	442,000	156,600	93.7	4.1			7,365
2020	256,920	428,200	22.3	685,120	214,100	91.0	3.8		3.4	9,140
2021	543,548	356,600	12.9	624,050	178,300	91.0	3.9	3.5	2.6	8,640
2022 <sup>b</sup>	750,000	502,000		750,000	251,000	86.7	3.7			10,430
Averages:										
Long Term	128,995	93,175	10	154,019	45,803	72.3	4.1	3.38	2.7	1,799
3-yr	516,823	428,933	18	686,390	214,467	89.6	4.1	3	3.0	9,403
% Change from:										
Long Term	556.7	490.6	-100.0	427.8	500.8	20.5	-9.3	-100.0	-100.0	541.3
3-yr	45.1	17.0	-100.0	9.3	17.0	-3.2	-1.6	-100.0	-100.0	10.9
2021	38.0	40.8	-100.0	20.2	40.8	-4.7	-4.1	-100.0	-100.0	20.7

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

<sup>b</sup>Data are preliminary at the moment of this publishing.

**Breeding population indices for Western Arctic Population of Lesser Snow Geese from the Arctic Coastal Plain Survey in Alaska, and a periodic photo inventory of western Canada snow goose colonies (Banks Island, Kendall Island, and Anderson River Delta), 1976–current.**

Year	Breeding Subtotal	SE	Total	SE	Photo Inventory
1976	.	.	.	.	181,975
1977	.	.	.	.	.
1978	.	.	.	.	.
1979	.	.	.	.	.
1980	.	.	.	.	.
1981	.	.	.	.	225,745
1982	.	.	.	.	.
1983	.	.	.	.	.
1984	.	.	.	.	.
1985	.	.	.	.	.
1986	.	.	.	.	.
1987	.	.	.	.	205,072
1988	.	.	.	.	.
1989	.	.	.	.	.
1990	.	.	.	.	.
1991	.	.	.	.	.
1992	.	.	.	.	.
1993	.	.	.	.	.
1994	.	.	.	.	.
1995	.	.	.	.	486,019
1996	.	.	.	.	.
1997	.	.	.	.	.
1998	.	.	.	.	.
1999	.	.	.	.	.
2000	.	.	.	.	.
2001	.	.	.	.	.
2002	.	.	.	.	579,753
2003	.	.	.	.	.
2004	.	.	.	.	.
2005	.	.	.	.	.
2006	.	.	.	.	.
2007	1,214	907	24,288	18,641	310,775
2008	1,702	1,065	8,276	4,153	.
2009	9,262	5,064	27,170	16,187	427,528
2010	500	148	7,439	3,298	.
2011	13,808	6,963	21,782	11,045	.
2012	2,154	735	34,622	16,670	.
2013	2,722	1,865	36,980	16,630	419,800
2014	341	162	23,083	11,570	.
2015	726	234	53,398	30,954	.
2016	6,742	2,361	24,209	6,226	.
2017	4,126	1,945	32,502	10,770	.
2018	24,070	21,129	35,292	27,221	.
2019	47,260	22,183	60,933	29,316	.
2020	No Survey	.	.	.	.
2021	No Survey	.	.	.	.
2022	33,456	15,817	74,449	24,524	.
Averages:					
Long Term	10,577		33,173		354,583
3-yr	34,929		56,891		
% Change from:					
Long Term	216.3		124.4		
3-yr	-4.2		30.9		
2019	-29.2		22.2		

Abundance indices for White Geese (Snow and Ross's Geese) 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	WA/OR (East) <sup>1</sup>	WA/OR (West) <sup>1</sup>	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				1,141,579	1,199,586
2015	66,501	7,930	11,892	44	Canceled	Incomplete
2016	103,617	15,447	14,215	16	1,773,493	1,906,788
2017	86,553	33,274	18,080	0	1,217,295	1,355,202
2018	109,993	52,841	18,241	26	1,232,663	1,413,764
2019~		160,825	24,394	30	1,414,392	1,599,641
2020	133,306	153,690	Incomplete		Canceled	Incomplete
2021		119,771	35,748	276	Canceled	Incomplete
Averages:						
Long Term	56,631	77,683	20,428	65	683,915	745,401
3-yr	121,650	121,782	26,128	111	1,323,528	1,506,703
% Change from:						
Long Term	-100.0	69.5	105.9	1,089.7	#VALUE!	#VALUE!
3-yr	-100.0	-1.7	36.8	149.4	#VALUE!	#VALUE!
2020	-100.0	-22.1	#VALUE!	#DIV/0!	#VALUE!	#VALUE!

<sup>1</sup>White geese counted by ODFW along the Columbia River frequently use both states on a weekly basis.

**Abundance indices for Pacific Population of Greater White-fronted Geese 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	
	Delta	Interior			population <sup>b</sup>	Fall Survey <sup>a</sup>
1979	.	.	.	.	.	73,100
1980	.	.	.	.	.	93,500
1981	.	.	.	.	.	116,500
1982	.	.	.	.	.	91,700
1983	.	.	.	.	.	112,900
1984	.	.	.	.	.	100,200
1985	17,384	9,563	6,241	33,188	105,036	93,900
1986	12,710	8,984	5,273	26,967	85,345	107,100
1987	13,618	6,665	4,520	24,803	78,496	130,600
1988	23,761	12,365	4,842	40,968	129,656	124,690
1989	27,229	9,853	6,672	43,754	138,473	263,350
1990	36,246	14,973	2,475	53,694	169,933	237,050
1991	30,399	11,205	5,596	47,200	149,382	215,655
1992	33,287	11,012	8,716	53,015	167,784	230,675
1993	39,838	19,320	1,614	60,772	192,332	253,820
1994	56,600	8,694	5,058	70,351	222,651	298,930
1995	77,929	8,501	3,228	89,658	283,752	251,970
1996	77,948	27,241	5,380	110,569	349,934	350,850
1997	83,334	20,286	4,520	108,139	342,243	318,954
1998	81,680	18,643	2,367	102,691	325,001	413,100
1999	90,405	25,107	4,304	119,816	379,199	285,514
2000	85,601	16,080	2,045	103,725	328,273	284,044
2001	110,471	23,414	7,533	141,418	447,564	337,848
2002	87,611	16,644	6,564	110,818	350,723	402,565
2003	115,843	16,644	2,690	135,176	427,812	424,900
2004	97,898	15,891	2,260	116,049	367,276	337,971
2005	103,758	17,772	8,071	129,601	410,166	508,890
2006	138,145	27,739	5,811	171,695	543,387	426,300
2007	165,250	27,269	2,690	195,209	617,806	476,009
2008	162,076	53,025	1,291	216,392	684,847	602,699
2009	143,955	31,313	6,349	181,617	574,789	457,802
2010	173,094	42,503	9,792	225,389	713,319	783,648
2011	169,455	32,535	7,533	209,522	663,104	646,501
2012	181,750	45,229	4,627	231,607	732,999	831,955
2013	163,896	28,304	6,779	198,979	629,736	No Survey
2014	203,369	16,268	1,184	220,820	698,860	663,257
2015	155,980	18,315	1,399	175,694	556,042	634,478
2016	205,398	23,884	2,260	231,542	732,794	727,419
2017	212,303	28,869	450	241,622	764,694	743,488
2018	187,264	11,284	1,291	199,840	632,460	646,965
2019	144,365	14,105	1,076	159,546	504,937	647,040
2020	No Survey	.	.	.	.	No Survey
2021	128,628	28,586	2,152	159,366	504,367	No Survey
2022	171,091	37,989	861	209,941	664,428	
Averages:						
Long Term	108,367	21,245	4,203	133,815	423,503	416,469
3-yr	148,028	26,893	1,363	176,284	557,911	647,003
% Change from:						
Long Term	60.5	82.8	-80.0	59.4	59.4	-100.0
3-yr	15.6	41.3	-36.8	19.1	19.1	-100.0
2021	33.0	32.9	-60.0	31.7	31.7	-100.0

<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 \* 3.1648392395).

**Total breeding population indices for Midcontinent Population of Greater White-fronted Geese from portions of the Waterfowl Breeding Population and Habitat Survey - Tanana-Kuskokwim (Strata 3), Yukon Flats (Strata 4), Innoko (Strata 5), Koyukuk (Strata 6), Seward Peninsula (Strata 10), and Kotzebue Sound (Strata 11), and Arctic Coastal Plain (ACP) Survey, 1964–current. Also presented are counts from the Fall Inventory of Midcontinent White-front Survey in Alberta and Saskatchewan, 1992–Current.**

Year	Strata 3	SE	Strata 4	SE	Strata 5	SE	Strata 6	SE	Strata 10	SE	Strata 11	SE	ACP	SE	Total Breeding Estimate	SE	Fall Inventory
1964	1,085	969	0	0	155	149	1,179	656	321	424	255	244	.	.	.	.	.
1965	1,691	1,133	2,314	2,288	155	165	974	927	481	241	1,115	510	.	.	.	.	.
1966	705	433	2,842	2,649	386	294	1,743	1,374	642	849	0	0	.	.	.	.	.
1967	2,325	1,414	1,080	840	1,855	1,153	0	0	642	849	2,675	2,359	.	.	.	.	.
1968	3,945	2,358	2,160	1,869	2,550	1,260	2,460	1,500	481	637	3,455	2,858	.	.	.	.	.
1969	1,902	945	270	283	1,159	548	3,280	1,682	1,604	2,122	2,341	1,326	.	.	.	.	.
1970	12,682	5,359	810	848	8,886	4,034	718	364	2,727	3,126	7,802	4,494	.	.	.	.	.
1971	3,100	1,299	1,620	1,518	2,705	1,200	4,151	2,269	1,604	699	6,465	2,196	.	.	.	.	.
1972	5,214	3,070	1,080	570	3,786	1,935	2,768	2,298	0	0	1,560	1,081	.	.	.	.	.
1973	5,073	1,601	1,080	1,073	4,636	2,063	7,021	5,066	0	0	1,449	921	.	.	.	.	.
1974	5,355	1,809	540	401	19,318	11,011	5,074	3,131	15,881	18,305	14,155	10,421	.	.	.	.	.
1975	2,114	1,274	0	0	5,177	2,948	1,230	534	0	0	1,560	1,278	.	.	.	.	.
1976	4,016	2,799	675	481	3,632	2,153	4,664	1,590	1,925	2,004	1,338	917	.	.	.	.	.
1977	3,593	1,621	22,005	16,252	6,491	3,917	4,715	1,866	1,604	2,122	4,570	2,696	.	.	.	.	.
1978	2,395	1,011	11,070	7,847	5,177	2,485	2,358	1,513	1,925	2,547	6,799	5,354	.	.	.	.	.
1979	3,945	1,499	810	553	5,486	2,775	3,690	1,555	550	265	6,130	3,142	.	.	.	.	.
1980	5,143	1,607	3,240	847	6,955	3,341	4,459	908	0	0	5,239	2,341	.	.	.	.	.
1981	2,677	1,179	2,700	1,817	2,550	1,015	4,459	1,498	0	0	1,895	806	.	.	.	.	.
1982	3,452	1,461	6,210	3,621	2,859	980	11,736	5,116	1,513	1,833	5,127	1,012	.	.	.	.	.
1983	21,277	18,212	5,805	3,763	11,591	5,191	7,739	3,522	0	0	12,149	5,175	.	.	.	.	.
1984	2,184	934	405	424	3,091	1,490	5,381	1,304	275	157	5,907	3,901	.	.	.	.	.
1985	6,130	2,527	1,215	1,030	4,173	1,969	6,150	2,931	1,650	1,730	1,560	491	.	.	.	.	.
1986	3,170	1,379	115,020	106,125	5,950	3,766	7,893	3,232	2,063	1,768	19,505	11,265	.	.	.	.	.
1987	2,959	1,116	16,065	8,339	5,564	2,983	4,203	1,002	3,988	3,289	7,245	4,423	.	.	.	.	.
1988	3,523	1,773	0	0	3,245	1,993	3,793	1,039	1,788	1,530	13,598	7,080	.	.	.	.	.
1989	3,664	1,195	810	553	3,323	1,601	5,074	874	550	667	7,356	3,459	.	.	.	.	.
1990	3,593	1,487	810	441	3,941	1,144	3,946	866	550	493	6,465	4,220	.	.	.	.	.
1991	2,536	1,239	3,240	1,194	3,709	1,653	5,586	1,196	688	833	10,254	4,772	.	.	.	.	.
1992	2,255	1,097	0	0	2,318	914	3,075	1,470	550	493	9,028	5,727	.	.	.	.	622,948
1993	3,311	1,286	540	565	1,700	891	2,511	1,105	275	157	11,592	5,718	.	.	.	.	676,344
1994	1,268	892	540	401	2,550	1,521	1,743	982	275	157	3,455	2,265	.	.	.	.	727,295
1995	986	419	945	665	3,709	2,389	2,563	1,381	3,438	4,167	16,719	6,799	.	.	.	.	1,129,382
1996	4,932	2,148	3,240	2,483	3,555	2,612	3,998	1,490	2,338	2,237	9,474	3,004	.	.	.	.	742,506
1997	5,425	3,662	2,565	952	4,714	3,073	4,151	930	1,513	985	6,576	2,015	.	.	.	.	622,206
1998	4,086	2,097	810	595	2,318	1,089	4,100	1,244	1,788	1,739	28,088	25,483	.	.	.	.	1,058,256
1999	2,466	1,293	0	0	8,886	5,511	1,743	1,004	825	280	20,508	10,873	.	.	.	.	963,090
2000	1,691	736	84,375	35,320	1,236	1,032	11,685	6,102	3,713	890	6,242	2,965	.	.	.	.	1,067,605
2001	947	539	31,590	31,388	1,005	580	5,125	1,856	5,225	4,594	6,799	2,884	.	.	.	.	712,309
2002	775	377	10,800	10,121	927	543	1,691	732	2,475	1,997	8,582	4,244	.	.	.	.	669,679
2003	1,761	759	945	554	1,855	979	3,793	1,180	5,638	5,549	17,276	7,652	.	.	.	.	528,159
2004	1,127	501	2,565	1,317	3,400	1,361	3,588	1,337	2,063	1,106	9,363	6,283	.	.	.	.	644,287
2005	634	364	540	336	2,936	787	3,434	1,426	2,475	1,106	13,041	10,015	.	.	.	.	522,812
2006	1,127	664	0	0	2,550	1,009	3,331	1,456	825	1,000	5,350	2,377	.	.	.	.	751,295
2007	1,409	632	8,370	7,550	7,186	3,475	5,484	1,382	1,925	1,188	9,808	3,920	213,749	13,756	247,932	16,655	764,259
2008	1,761	861	23,262	19,500	1,777	767	5,228	2,098	5,225	4,457	14,267	7,712	186,369	14,097	237,888	25,769	751,723
2009	3,452	1,757	540	359	1,855	932	5,228	1,004	3,163	935	7,691	5,495	205,466	17,311	227,394	18,326	583,216
2010	3,778	2,376	810	848	9,041	5,122	10,916	3,606	5,088	2,961	8,582	2,047	181,237	15,801	219,452	17,556	709,836
2011	1,973	916	89,370	77,824	3,786	1,891	5,433	1,704	7,150	4,967	4,235	1,694	197,186	10,494	309,133	78,750	685,722
2012	1,057	508	2,160	1,207	2,473	1,309	6,355	1,732	8,388	3,222	14,713	6,368	313,223	18,285	348,367	19,791	777,872
2013	0	0	270	253	2,550	1,918	NA	NA	10,588	7,524	9,585	2,404	217,060	.	Incomplete Survey	.	No Survey
2014	436	336	1,350	1,341	4,714	2,434	4,766	1,974	4,813	4,097	4,347	1,905	146,190	8,244	166,615	10,005	1,005,591
2015	2,536	1,832	1,620	1,248	12,518	10,784	5,740	1,747	8,181	3,746	29,091	17,259	238,828	15,178	298,514	25,818	977,090
2016	282	200	2,430	1,795	4,173	2,299	9,328	3,991	3,575	452	8,359	3,090	378,267	38,143	406,414	38,589	1,000,132
2017	3,000	2,089	3,510	2,637	5,100	1,972	19,065	12,917	12,100	6,664	10,477	2,337	352,371	23,548	405,623	28,044	771,609
2018	1,268	1,035	1,620	1,696	2,473	753	4,715	1,860	7,013	2,018	17,388	7,883	238,291	23,560	272,767	25,086	774,097
2019	2,043	1,117	4,590	4,011	2,473	1,262	6,509	2,887	7,838	2,193	7,468	3,876	171,213	11,688	202,133	13,554	1,266,902
2020	.	.	.	.	.	.	.	.	.	.	.	.	.	.	No Survey	.	No Survey
2021	3,052	1,537	810	848	773	543	7,893	3,722	5,775	3,890	2,229	1,522	.	.	Incomplete Survey	.	No Survey
2022	1,127	533	540	506	2,164	864	7,790	2,671	15,950	4,897	4,458	1,329	215,951	15,582	247,981	16,642	No Survey
Averages:																	
Long Term	3,093		8,355		4,055		4,867		3,166		8,323		232,529		276,170		796,527
3-yr	2,074		1,980		1,803		7,397		9,854		4,718		208,485		282,126		1,020,500
% Change from:																	
Long Term	-64.0		-93.6		-47.1		61.8		442.2		-46.9		-		-		-
3-yr	-45.6		-72.7		20.0		5.3		61.9		-5.5		-		-		-
2021	-63.1		-33.3		180.0		-1.3		176.2		100.0		-		-		-

**Fall abundance estimates for Tule Greater White-fronted Geese from Mark-resight surveys in California, 2003–current.**

Year	Estimate	95% Lower	95% Upper
2003	17,536	10,863	24,209
2004	9,115	3,848	14,381
2005	15,030	2,987	27,073
2006	33,342	11,997	54,686
2007	16,640	9,729	23,551
2008	11,039	5,821	16,258
2009	13,399	7,469	19,330
2010	17,002	7,990	26,015
2011	11,920	7,497	16,343
2012	16,269	6,934	25,605
2013	10,975	4,536	17,414
2014	8,940	4,289	13,592
2015	9,667	5,944	13,391
2016	18,445	8,436	28,453
2017	17,124	8,999	25,249
2018	6,992	3,941	10,044
2019	16,446	6,789	26,103
2020	12,048	4,337	19,758
2021	11,713	687	22,739
Averages:			
Long Term	14,402	6,479	22,326
3-yr	13,402	3,938	22,867
% Change from:			
Long Term	-19.5	-89.9	2.0
3-yr	-12.6	-82.6	-0.6
2020	-2.8	-84.2	15.1

**Total breeding population indices for Emperor Goose from the Yukon-Kuskokwim Delta Coastal Zone Survey, 1985–current.**

Year	Breeding Subtotal	SE	Total	SE
1985	8,819	612	18,687	1,572
1986	6,840	421	11,355	708
1987	7,111	553	10,612	887
1988	6,535	494	13,175	814
1989	8,179	485	14,340	830
1990	7,386	480	14,609	859
1991	5,543	340	12,432	969
1992	8,003	477	13,251	700
1993	8,593	615	15,524	994
1994	10,558	539	17,101	834
1995	11,635	613	17,463	863
1996	11,593	482	23,578	2,283
1997	12,354	607	22,525	1,295
1998	14,201	770	19,714	1,031
1999	15,367	955	20,274	1,180
2000	11,762	506	17,260	699
2001	17,365	756	27,674	1,168
2002	15,493	925	19,193	996
2003	12,131	665	20,899	1,314
2004	14,433	613	21,514	831
2005	15,025	663	20,739	1,079
2006	17,559	760	26,325	1,347
2007	15,582	899	26,281	1,593
2008	16,437	619	22,543	922
2009	13,681	509	20,498	836
2010	13,937	557	19,903	904
2011	14,933	635	21,319	1,000
2012	17,550	1,132	20,628	1,324
2013	19,520	1,134	29,876	1,830
2014	16,045	1,008	31,669	2,663
2015	15,848	740	28,634	1,402
2016	27,407	1,076	34,180	2,004
2017	24,984	1,284	30,090	1,448
2018	28,547	1,464	30,218	1,528
2019	24,118	1,091	26,583	1,230
2020	No Survey	.	.	.
2021	22,011	875	24,300	1,003
2022	22,777	922	28,864	1,250
<b>Averages:</b>				
Long Term	14,591		21,455	
3-yr	22,968		26,582	
<b>% Change from:</b>				
Long Term	58.6		35.8	
3-yr	-0.8		8.6	
2021	3.5		18.8	

Abundance Indices for Pacific Population of Brant 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>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>
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	165,080	--		
1952			16,578	3,200	43,840	63,618	102,945	0	102,945	166,563	--		
1953			27,473	1,509	37,557	66,539	87,905	0	87,905	154,444	162,029		
1954			15,376	1,560	28,750	45,686	86,316	0	86,316	132,002	151,003		
1955			21,915	1,686	34,070	57,671	76,679	0	76,679	134,350	140,265		
1956			15,914	2,073	38,510	56,497	52,743	0	52,743	109,240	125,197		
1957			20,701	1,493	35,848	58,042	73,380	0	73,380	131,422	125,004		
1958			25,219	2,778	26,560	54,557	71,305	4	71,309	125,866	122,176		
1959			10,815	1,121	10,750	22,686	71,305	1,400	72,705	95,391	117,560		
1960			17,614	652	3,771	22,037	113,087	1,115	114,202	136,239	119,165		
1961			16,675	1,330	6,853	24,858	138,625	4,355	142,980	167,838	133,156		
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		22.5%
1965			19,938	1,325	3,372	24,635	117,350	24,915	142,265	166,900	164,141		26.4%
1966			22,175	798	3,284	26,257	115,601	19,505	135,106	161,363	171,182		21.4%
1967			21,235	1,523	3,824	26,582	111,755	41,315	153,070	179,652	169,305		43.8%
1968			15,746	865	1,729	18,340	111,600	24,400	136,000	154,340	165,118		17.8%
1969			10,063	382	166	10,611	97,400	35,075	132,475	143,086	159,026		18.0%
1970			8,916	963	207	10,086	98,200	33,400	131,600	141,686	146,371		29.4%
1971			10,915	1,374	130	12,419	105,800	31,000	136,800	149,219	144,664		38.4%
1972			4,328	1,047	0	5,375	91,200	28,200	119,400	124,775	138,560		36.1%
1973			5,911	2,544	950	9,405	85,500	30,100	115,600	125,005	133,000		38.2%
1974			4,977	1,904	470	7,351	96,900	26,400	123,300	130,651	126,810		33.1%
1975			6,163	1,507	480	8,150	80,825	34,455	115,280	123,430	126,362		4.8%
1976			7,540	1,769	680	9,989	82,783	29,273	112,056	122,045	125,375		38.2%
1977			14,111	2,100	0	16,211	86,534	44,222	130,756	146,967	130,814	107,784	37.0%
1978			18,100	1,110	560	19,770	106,469	36,648	143,117	162,887	143,966	116,298	32.5%
1979			8,078	1,255	10	9,343	87,860	32,210	120,070	129,413	146,422		15.4%
1980			7,665	1,015	135	8,815	89,690	47,860	137,550	146,365	146,222	128,204	16.8%
1981	3,271		10,107	1,790	540	15,708	160,560	21,200	181,760	197,468	157,749	127,667	30.2%
1982			6,451	706	485	7,642	85,105	28,297	113,402	121,044	154,959	180,734	29.2%
1983			3,113	718	565	4,396	81,761	23,157	104,918	109,314	142,609	146,945	13.5%
1984	1,611		7,097	930	700	10,338	95,170	29,533	124,703	135,041	121,800	147,933	31.2%
1985		283	11,793	641	800	13,517	101,405	30,163	131,568	145,085	129,813	120,122	18.3%

<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. Percent Juveniles represent model-based estimates from NWR ground surveys and will change annually (Ward et al. 2018; Ward and Amundson, USGS, unpublished data).

<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.



Abundance indices for Pacific Population of Brant, 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>g</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	20.8%
1987	7,550	205	14,371	1,133	736	23,995	73,825	13,088	86,913	110,908	122,568	116,131	21.9%
1988	6,180	263	19,831	1,104	947	28,325	99,066	17,630	116,696	145,021	130,052	136,765	47.9%
1989	6,918	484	18,538	871	1,033	27,844	89,600	18,121	107,721	135,565	130,498	123,822	24.0%
1990	5,303	406	13,756	1,399	992	21,856	107,545	22,320	129,865	151,721	144,102	135,041	27.2%
1991	4,742	591	16,221	1,262	1,340	24,156	88,650	19,905	108,555	132,711	139,999	123,551	23.0%
1992	7,043	283	13,505	1,397	2,424	24,652	78,280	14,905	93,185	117,837	134,090	128,784	31.0%
1993	8,369	180	13,058	1,254	9,415	32,276	68,280	24,444	92,724	125,000	125,183	119,531	20.6%
1994	12,125	382	13,595	666	2,299	29,067	83,130	17,135	100,265	129,332	124,056	143,768	30.5%
1995	11,381	363	20,231	708	3,987	36,670	74,060	22,755	96,815	133,485	126,414	142,701	16.9%
1996	10,278	634	6,941	644	2,008	20,505	87,280	20,205	107,485	127,990	128,952	150,946	39.9%
1997	10,049	500	9,753	669	3,598	24,569	108,018	22,720	130,738	155,307	138,927	118,188	22.8%
1998	8,562	619	10,881	580	6,091	26,733	97,805	14,300	112,105	138,838	140,712	130,252	21.0%
1999	10,354	985	15,252	645	4,296	31,532	84,965	15,795	100,760	132,292	142,146	116,512	30.3%
2000	8,120	1,238	13,859	523	3,389	27,129	92,020	16,420	108,440	135,569	135,566	131,134	24.3%
2001	17,790	1,254	10,197	695	4,197	34,133	78,850	13,010	91,860	125,993	131,285	151,216	29.8%
2002	13,576	1,483	13,478	552	4,092	33,181	93,995	11,055	105,050	138,231	133,264	112,554	9.5%
2003	7,677	1,103	11,455	557	3,124	23,916	74,132	8,094	82,226	106,142	123,455	115,839	21.7%
2004	12,756	2,117	14,544	528	6,372	36,317	71,685	13,270	84,955	121,272	121,882	135,944	13.4%
2005	12,041	1,020	14,286	609	5,224	33,180	59,960	14,068	74,028	107,208	111,541	134,474	20.6%
2006	15,404	1,792	16,305	649	5,069	39,219	87,483	14,254	101,737	140,956	123,145	152,712	35.9%
2007	28,533	2,078	12,712	702	7,387	51,412	65,250	13,932	79,182	130,594	126,253	124,189	24.4%
2008	27,422	1,264	19,775	370	4,827	53,658	83,856	19,443	103,299	156,957	142,836	140,897	28.4%
2009	21,482	2,574	29,243	823	6,392	60,514	<i>no survey conducted<sup>e</sup></i>		--	--	142,836	130,294	18.1%
2010	28,234	2,699	23,908	<i>no survey</i>	13,553	68,394	71,688	23,389	95,077	163,471	150,341	144,594	30.4%
2011	42,937	2,414	21,457	<i>no survey</i>	15,610	82,418	61,153	18,897	80,050	162,468	160,965	130,091	21.4%
2012	44,252	1,229	17,502	687	2,227	65,897	101,571	9,873	111,444	177,341	167,760	126,028	20.7%
2013	41,821	2,204	16,454	200	7,448	68,127	71,607	23,566	95,173	163,300	167,703	154,481	12.5%
2014	48,140	2,104	17,485	511	7,916	76,156	68,290	28,869	97,159	173,315	171,319	157,781	17.1%
2015	50,316	1,636	10,706	486	4,906	68,050	44,533	23,899	68,432	136,482	157,699	171,635	17.4%
2016	46,772	3,364	11,811	583	5,105	67,635	55,066	17,324	72,390	140,025	149,941	160,984	18.2%
2017	44,899	3,677	15,878	405	8,765	73,624	67,386	14,710	82,096	155,720	144,076	203,735	21.4%
2018	46,067	2,796	12,652	355	2,466	64,336	54,076	14,038	68,114	132,450	142,732	154,811	12.9%
2019	45,377	2,065	8,194	291	5,353	61,280	75,186	24,693	99,879	161,159	149,776	155,724	25.8%
2020	49,777	2,729	7,389	256	5,788	65,939	66,152	10,793	76,945	142,884	145,498	157,087	30.8%
2021	56,563	1,956	9,961	<i>no survey</i>	4,646	73,126	65,907	11,554	77,461	150,587	151,543	151,543	13.5%
2022	67,484	2,589	10,390	385	5,167	86,015	62,231	10,434	72,665	158,680	150,717		31.6%
<b>Averages:</b>													
Long Term	22,988	1,418	16,597	1,772	12,145	41,377	87,287	18,567	105,853	141,985	141,238	137,920	24.9%
3-yr	57,941	2,425	9,247	321	5,200	75,027	64,763	10,927	75,690	150,717	149,253	157,087	25.3%
<b>% Change from:</b>													
Long Term	209.3	86.8	-37.7	-78.5	-57.7	110.5	-29.0	-44.2	-31.7	11.9	6.8	-100.0	27.4
3-yr	16.5	6.8	12.4	20.1	-0.6	14.6	-3.9	-4.5	-4.0	5.3	1.0	-100.0	24.9
2021	19.3	32.4	4.3	#VALUE!	11.2	17.6	-5.6	-9.7	-6.2	5.4	-0.5	#DIV/0!	134.1
<b>Objectives:</b>													
	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. Percent Juveniles represent model-based estimates from NWR ground surveys and will change annually (Ward et al. 2018; Ward and Amundson, USGS, unpublished data).

<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.

**Total breeding population indices for Western Population of Tundra Swans from the Yukon-Kuskokwim Delta Coastal Zone Survey (YKD CZ), and portions of the Waterfowl Breeding Population and Habitat Survey - Bristol Bay (Strata 8), YKD Inland (Strata 9), Seward Peninsula (Strata 10), and Kotzebue Sound (Strata 11), 1985–current.**

Year	YKD CZ	SE	Strata 8	SE	Strata 9	SE	Strata 10	SE	Strata 11	SE	Total Estimate	SE
1985	26,234	4,250	18,509	8,250	38,639	7,373	8,388	6,631	4,235	1,304	96,005	13,644
1986	20,575	1,616	11,837	2,690	28,690	3,262	4,538	2,230	3,901	1,640	69,541	5,306
1987	19,900	2,297	17,863	7,932	31,298	6,747	3,163	876	3,901	925	76,125	10,739
1988	23,162	2,667	9,470	1,722	44,725	13,356	3,163	1,243	2,564	1,004	83,083	13,821
1989	33,197	6,568	34,004	14,213	25,792	2,457	9,763	7,974	6,019	1,073	108,774	17,774
1990	27,405	4,156	9,685	2,059	44,338	6,999	7,288	5,140	23,518	17,544	112,233	20,118
1991	18,061	1,869	15,388	2,754	31,008	3,728	14,575	13,127	6,130	1,488	85,162	14,125
1992	18,558	1,927	15,603	3,133	28,303	2,437	4,538	419	5,684	1,683	72,687	4,741
1993	19,753	1,318	10,223	2,195	40,281	12,709	4,400	795	5,127	1,344	79,785	13,058
1994	18,333	1,125	10,115	2,461	46,367	6,427	3,988	2,342	4,793	1,652	83,596	7,540
1995	22,531	1,698	20,230	9,937	67,425	32,418	5,363	2,313	4,458	1,226	120,008	34,050
1996	22,653	1,408	13,666	2,730	61,243	18,793	6,463	1,510	6,130	1,664	110,155	19,175
1997	28,045	3,118	13,128	3,858	52,549	6,482	7,700	3,368	13,152	6,343	114,574	10,873
1998	35,298	4,357	13,882	3,453	53,225	6,888	8,663	6,096	17,722	8,298	128,790	13,578
1999	24,201	1,264	14,635	3,995	52,282	11,168	8,113	3,747	8,471	2,325	107,701	12,718
2000	25,985	2,392	16,357	3,827	48,615	9,665	7,288	2,811	10,143	4,606	108,387	11,954
2001	21,553	1,382	14,420	4,443	39,588	3,118	10,175	5,533	7,914	2,166	93,649	8,165
2002	29,116	3,777	17,755	6,158	49,931	11,949	8,113	2,516	11,926	4,277	116,841	14,819
2003	21,962	1,911	14,850	2,025	41,938	5,492	8,250	4,111	8,582	2,278	95,583	7,746
2004	26,255	1,867	13,236	4,315	51,718	18,588	8,800	3,709	11,703	4,660	111,712	20,078
2005	23,598	2,260	24,104	12,840	63,002	16,405	5,500	1,495	6,688	1,532	122,891	21,064
2006	31,161	2,353	17,755	4,513	62,531	11,460	4,125	1,044	8,694	2,786	124,266	12,888
2007	30,211	3,462	15,926	8,706	80,115	19,499	11,825	1,269	17,388	4,377	155,465	22,108
2008	32,087	3,281	12,805	4,762	87,268	27,624	7,150	3,181	35,778	16,039	175,088	32,618
2009	26,693	2,450	13,451	5,407	46,922	3,030	7,838	2,954	12,260	2,550	107,164	7,723
2010	36,757	3,879	8,286	1,527	44,853	3,993	10,725	6,359	9,920	1,715	110,541	8,757
2011	29,559	2,677	15,280	5,950	54,727	14,286	8,800	2,877	11,703	3,368	120,070	16,318
2012	38,591	4,800	10,223	851	48,709	6,999	7,425	2,583	9,697	1,324	114,644	9,009
2013	19,445	1,611	21,091	14,798	46,264	8,361	9,213	2,811	14,155	3,321	110,168	17,619
2014	26,589	3,673	12,267	3,097	43,819	7,785	6,188	3,121	8,471	3,116	97,334	10,156
2015	27,217	4,953	13,882	2,597	60,400	16,883	7,379	3,338	24,744	13,327	133,621	22,474
2016	30,107	4,263	8,071	1,571	77,388	45,172	6,738	1,945	11,146	3,471	133,449	45,574
2017	27,030	3,574	9,225	3,025	39,186	5,270	22,825	12,749	9,028	2,001	107,295	14,704
2018	32,246	3,797	12,698	4,524	87,262	24,870	4,675	2,478	14,824	5,142	151,705	26,191
2019	34,681	4,421	7,425	1,643	43,819	10,141	5,363	3,112	9,808	2,089	101,095	11,796
2020	.	.	.	.	.	.	.	.	.	.	No Survey	.
2021	31,721	2,409	13,559	8,110	45,700	8,149	7,379	6,518	21,846	11,630	120,204	17,768
2022	27,899	3,005	11,837	3,123	38,177	4,378	7,700	4,260	15,158	7,539	100,771	10,627
Averages:												
Long Term	26,713		14,398		49,949		7,664		11,010		109,734	
3-yr	31,434		10,940		42,565		6,814		15,604		107,357	
% Change from:												
Long Term	4.6		-18.2		-24.1		0.5		39.1		-8.4	
3-yr	-11.2		8.2		-10.3		13.0		-2.9		-6.1	
2021	-12.0		-12.7		-16.5		4.3		-30.6		-16.2	

**Total Breeding population indices for Eastern Population of Tundra Swans from the Arctic Coastal Plain Survey in Alaska, and Midwinter counts and totals from Ontario, and the Mississippi and Atlantic Flyways, 1982–current.**

Year	Breeding Subtotal	SE	Total	SE	ON	MF	AF	Total
1982					0	275	72,907	73,182
1983					500	550	86,464	87,514
1984					100	25	81,235	81,360
1985					2,500	525	93,909	96,934
1986					25	150	90,766	90,941
1987					1,000	250	94,504	95,754
1988					1,200	375	77,110	78,685
1989					25	125	91,150	91,300
1990					9	17	90,593	90,619
1991					754	20	97,424	98,198
1992					2,929	327	109,788	113,044
1993					739	858	76,593	78,190
1994					184	61	84,527	84,772
1995					2,473	2,447	80,222	85,142
1996					113	393	79,021	79,527
1997					6,027	233	86,120	92,380
1998					2,679	1,335	96,544	100,558
1999					296	1,618	109,041	110,955
2000					8,897	3,364	103,082	115,343
2001					231	46	98,167	98,444
2002					7,169	3,661	103,842	114,672
2003					1,379	2,160	108,187	111,726
2004					13,737	2,094	94,975	110,806
2005					2,668	1,054	68,735	72,457
2006					9,746	1,069	70,454	81,269
2007	12,013	801	13,006	796	16,057	10,521	87,840	114,418
2008	11,110	983	13,737	1,619	5,917	1,826	88,506	96,249
2009	12,112	761	13,366	943	336	552	99,304	100,192
2010	11,424	944	13,196	1,323	4,081	1,302	91,594	96,977
2011	12,166	878	13,076	958	1,445	2,427	93,756	97,628
2012	13,485	906	15,986	1,934	13,512	12,436	86,793	112,741
2013	10,021	844	15,502	1,639	7,527	1,035	98,497	107,059
2014	7,262	658	13,131	915	287	848	103,853	104,988
2015	10,250	1,094	21,634	3,741	6,196	2,964	107,936	117,096
2016	14,858	986	16,191	1,274	13,992	12,982	86,619	113,593
2017	11,236	907	15,640	1,342	1,953	1,909	115,425	119,287
2018	14,570	1,481	14,570	1,481	61	431	111,122	111,614
2019	13,029	1,024	14,684	1,553	19,721	741	72,365	92,827
2020	No Survey	.	.	.	7,991	9,241	61,354	78,586
2021	No Survey	.	.	.	8,302	1,677	76,701	86,680
2022	11,166	807	12,015	1,007	4,871	1,717	89,142	95,730
<b>Averages:</b>								
Long Term	11,764		14,695		4,332	2,089	90,638	97,059
3-yr	12,922		13,756		7,055	4,212	75,732	86,999
<b>% Change from:</b>								
Long Term					12.8	-18.2	-1.7	-1.4
3-yr					-31.0	-59.2	17.7	10.0
2020					-41.3	2.4	16.2	10.4

**Total breeding population indices for Pacific Population of Trumpeter Swans from portions of the Waterfowl Breeding Population and Habitat Survey - Kenai-Susitna (Strata 1), Nelchina (Strata 2), Tanana-Kuskokwim (Strata 3), Yukon Flats (Strata 4), Koyukuk (Strata 6), and Copper River Delta (Strata 7), 1964–current.**

Year	Strata 1	SE	Strata 2	SE	Strata 3	SE	Strata 4	SE	Strata 6	SE	Strata 7	SE	Total Estimate	SE
1964	110	120	150	155	465	217	0	0	923	819	.	.	.	.
1965	220	241	375	200	1,198	603	154	143	205	121	.	.	.	.
1966	330	179	0	0	845	347	0	0	205	195	.	.	.	.
1967	935	456	1,050	380	913	418	0	0	64	69	.	.	.	.
1968	110	108	750	397	493	213	0	0	0	0	.	.	.	.
1969	385	271	150	98	986	302	0	0	103	98	.	.	.	.
1970	440	261	750	404	845	479	0	0	103	70	.	.	.	.
1971	715	235	1,875	663	1,198	418	0	0	359	207	.	.	.	.
1972	440	314	1,125	440	1,480	571	0	0	205	121	.	.	.	.
1973	110	54	1,200	484	1,057	502	0	0	461	294	.	.	.	.
1974	0	0	1,050	579	916	303	135	127	256	125	.	.	.	.
1975	330	162	3,450	2,110	775	453	135	127	666	427	.	.	.	.
1976	220	108	1,950	512	1,198	459	135	141	359	241	.	.	.	.
1977	330	216	2,775	725	1,198	529	0	0	410	390	.	.	.	.
1978	330	361	1,725	789	2,114	699	270	283	410	287	.	.	.	.
1979	330	194	1,800	901	2,043	706	270	156	615	376	.	.	.	.
1980	220	152	2,100	465	2,959	844	0	0	1,281	743	.	.	.	.
1981	990	766	2,850	1,614	1,550	570	135	141	1,076	551	.	.	.	.
1982	440	295	2,400	816	3,805	1,724	0	0	513	317	.	.	.	.
1983	385	189	3,225	896	3,382	1,208	0	0	871	341	.	.	.	.
1984	550	269	4,950	2,892	2,607	738	0	0	410	222	740	178	9,257	3,010
1985	1,375	559	3,750	1,307	4,086	1,126	0	0	1,025	561	840	210	11,076	1,910
1986	385	214	3,600	1,251	2,748	815	0	0	410	150	920	137	8,063	1,522
1987	440	253	6,150	3,568	4,650	1,737	270	283	513	138	620	148	12,643	3,992
1988	385	108	4,350	1,109	4,861	1,535	135	141	871	250	500	215	11,103	1,931
1989	440	321	5,775	2,379	3,452	1,022	405	380	974	456	500	227	11,546	2,685
1990	110	108	4,500	1,496	6,693	2,250	0	0	769	382	660	176	12,732	2,737
1991	660	244	4,650	1,863	3,241	1,169	675	349	974	425	800	359	11,000	2,308
1992	330	126	4,200	621	4,368	1,129	540	270	410	150	680	193	10,528	1,346
1993	385	143	3,225	632	4,086	993	675	349	359	197	380	145	9,110	1,260
1994	440	332	3,825	961	4,086	772	1,080	648	359	133	720	320	10,510	1,473
1995	330	216	3,450	1,203	4,509	1,021	0	0	666	250	1,020	368	9,975	1,653
1996	660	396	4,125	886	6,552	1,555	405	380	974	364	1,040	234	13,756	1,921
1997	495	331	5,400	1,783	3,945	1,082	270	283	820	228	880	145	11,810	2,148
1998	55	54	4,950	1,375	6,834	1,734	0	0	923	390	1,020	82	13,782	2,249
1999	385	306	6,225	1,368	12,823	4,313	1,485	1,406	666	255	820	157	22,404	4,757
2000	550	209	4,350	1,460	11,273	5,071	10,530	8,815	2,306	742	1,260	241	30,269	10,306
2001	385	187	4,950	1,534	7,492	3,212	4,050	2,345	1,281	627	1,200	552	19,358	4,347
2002	660	205	3,375	1,004	6,905	1,747	1,215	817	1,076	239	1,080	335	14,311	2,223
2003	660	137	6,225	2,721	5,214	1,584	540	348	820	295	1,260	385	14,719	3,207
2004	935	294	3,450	1,046	5,989	1,609	540	391	1,281	387	1,480	382	13,675	2,054
2005	786	563	3,450	872	5,143	1,706	405	297	820	322	.	.	Incomplete Survey	.
2006	660	152	8,475	5,058	6,552	2,094	1,350	573	769	256	1,400	379	19,206	5,525
2007	605	367	5,400	1,366	9,159	2,945	1,485	734	1,435	582	660	180	18,744	3,404
2008	550	225	3,600	835	8,595	2,916	1,662	722	1,281	283	1,260	233	16,948	3,147
2009	605	104	3,150	1,001	8,455	2,613	810	538	1,743	411	620	126	15,382	2,884
2010	550	283	2,775	372	8,428	3,457	945	485	1,691	380	740	156	15,129	3,546
2011	1,161	412	2,925	474	8,948	2,352	1,350	499	1,896	497	720	179	17,000	2,540
2012	794	255	4,050	723	9,159	3,076	1,215	645	2,153	553	1,200	406	18,571	3,307
2013	NA	NA	3,600	887	8,877	2,800	1,080	590	NA	NA	960	264	Incomplete Survey	.
2014	1,039	437	1,341	562	6,466	1,736	3,915	1,774	1,589	451	1,420	302	15,770	2,639
2015	244	111	3,000	501	7,680	1,548	1,350	698	2,358	451	1,320	656	15,951	1,944
2016	550	189	2,925	387	7,116	1,904	540	391	1,896	525	1,000	235	14,027	2,073
2017	794	272	1,575	378	9,900	3,526	810	553	2,255	501	980	297	16,314	3,647
2018	733	434	2,775	1,060	6,130	2,156	3,510	876	1,794	404	680	155	15,622	2,629
2019	2,383	1,758	1,950	500	6,552	1,525	5,940	3,259	2,409	935	820	132	20,054	4,145
2020	.	.	.	.	.	.	.	.	.	.	.	.	No Survey	.
2021	756	412	2,730	1,269	5,231	1,588	1,890	1,072	2,358	1,122	1,280	271	14,245	2,605
2022	856	460	2,550	921	8,455	2,515	2,700	1,338	2,358	723	960	283	17,878	3,127
Averages:														
Long Term	545		3,146		4,770		948		978		931		14,791	
3-yr	1,332		2,410		6,746		3,510		2,375		1,020		17,392	
% Change from:														
Long Term	58.7		-19.2		79.7		194.2		147.2		3.2		21.6	
3-yr	-35.8		5.8		25.3		-23.1		-0.7		-5.9		2.8	
2021	13.1		-6.6		61.6		42.9		0.0		-25.0		25.5	

**Total breeding population indices for Rocky Mountain Population of Trumpeter Swans from the North American Trumpeter Swan Survey (1968–2015, discontinued in 2015), and the Fall U.S. Breeding Segment Survey, 1967–current.**

Year	North American Trumpeter Swan Survey				U.S. Fall Survey									
	Canada	Tri-state Area	Other U.S. Flocks	Total	Greater Yellowstone Flocks			Restoration Flocks			RMP U.S. Breeding Segment			
					White Birds	Cygnets	Total	White Birds	Cygnets	Total	White Birds	Cygnets	Total	
1967					520	45	565	60	13	73		580	58	638
1968	75	431	99	605	431	154	585	58	20	78		489	174	663
1969								69	23	92				
1970								45	16	61				
1971					431	68	499	46	27	73		477	95	572
1972								42	16	58				
1973								42	7	49				
1974					457	80	537	35	9	44		492	89	581
1975	88	457	108	653				41	9	50				
1976								31	9	40				
1977					403	86	489	51	4	55		454	90	544
1978								39	15	54				
1979								41	42	83				
1980	276	462	77	815	462	23	485	71	26	97		533	49	582
1981								77	14	91				
1982								56	20	76				
1983					398	54	452	73	22	95		471	76	547
1984					431	58	489	65	9	74		496	67	563
1985	429	368	68	865	368	139	507	63	5	68		431	144	575
1986					331	61	392	34	26	60		365	87	452
1987					365	175	540	52	19	71		417	194	611
1988					464	137	601	49	9	58		513	146	659
1989					505	60	565	30	3	33		535	63	598
1990	758	442	30	1,230	432	147	579	36	11	47		468	158	626
1991					414	91	505	32	18	50		446	109	555
1992					390	92	482	75	6	81		465	98	563
1993					248	29	277	55	22	77		303	51	354
1994					239	130	369	63	22	85		302	152	454
1995	1,445	309	66	1,820	307	55	362	58	7	65		365	62	427
1996					316	63	379	64	15	79		380	78	458
1997					310	54	364	48	15	63		358	69	427
1998					304	90	394	60	15	75		364	105	469
1999					312	56	368	35	14	49		347	70	417
2000	2,175	324	49	2,548	324	102	426	48	7	55		372	109	481
2001					362	59	421	54	12	66		416	71	487
2002					273	53	326	38	7	45		311	60	371
2003					291	95	386	30	1	31		321	96	417
2004					291	94	385	27	5	32		318	99	417
2005	3,270	355	49	3,674	355	98	453	49	8	57		404	106	510
2006					377	82	459	39	9	48		416	91	507
2007					383	115	498	28	1	29		411	116	527
2008					379	48	427	29	3	32		408	51	459
2009					361	75	436	35	2	37		396	77	473
2010	5,773	380	163	6,316	375	107	482	2	0	2		377	107	484
2011					354	89	443	37	0	37		391	89	480
2012					381	178	559	24	10	34		405	188	593
2013					455	110	565	44	1	45		499	111	610
2014					452	137	589	20	2	22		472	139	611
2015	10,957	548	216	11,721	548	175	723	170	75	245		718	250	968
2016					578	143	721	153	70	223		731	213	944
2017					595	115	710	186	69	255		781	184	965
2018					600	147	747	226	70	296		826	217	1,043
2019					542	76	618	218	70	288		760	146	906
2020					579	88	667	238	65	303		817	153	970
2021					437	91	528	306	89	395		743	180	923
Averages:														
Long Term					403	94	497	67	20	87		474	114	588
3-yr					519	85	604	254	75	329		773	160	933
% Change from:														
Long Term					8.7	-3.1	6.4	387.3	383.0	386.3		58.7	59.8	58.9
3-yr					-15.9	7.1	-12.6	20.5	19.2	20.2		-3.9	12.7	-1.1
2020					-24.5	3.4	-20.8	28.6	36.9	30.4		-9.1	17.6	-4.8

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>	No Survey	S/D	S/D	No Survey	3,857	6,831	3,654	S/D	14,342	5,458
2017	47,799	S/D	S/D	838	2,455	19,720	588	S/D	71,400	8,796
2018	64,482	S/D	S/D	3,621	1,993	13,452	2,403	S/D	85,951	11,324
2019	89,404	S/D	S/D	1,481	921	11,241	2,068	S/D	105,115	11,738
2020	73,303	S/D	S/D	7,640	2,156	3,298	436	S/D	86,833	13,943
2021	No Survey	S/D	S/D	No Survey	No Survey	No Survey	No Survey	S/D	No Survey	No Survey
2022	No Survey	S/D	S/D	No Survey	5,121	No Survey	No Survey	S/D	Incomplete	7,594
Averages:										
Long Term	49,332	150	53	2,641	5,056	4,487	1,888	10	62,880	2,628
Reliable 3-yr	81,354			4,247	2,548	9,330	1,636		92,633	11,150
% Change from:										
Long Term	#VALUE!			#VALUE!	1.3	#VALUE!	#VALUE!		#VALUE!	197.4
Reliable 3-yr	#VALUE!			#VALUE!	87.4	#VALUE!	#VALUE!		#VALUE!	-31.5
2019	#VALUE!			#VALUE!	137.5	#VALUE!	#VALUE!		#VALUE!	-45.5

<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.



**Total Breeding population indices for Midcontinent Population of Sandhill Cranes from the Yukon-Kuskokwim Delta Coastal Zone Survey in Alaska, and a photo-corrected annual spring survey along the Platte River of Nebraska and other areas, 1974–current.**

Year	Breeding Subtotal	SE	Total	SE	P-C Platte	Other	P-C All Areas
1974	.	.	.	.	162,600	14,500	177,100
1975	.	.	.	.	223,600	3,900	227,500
1976	.	.	.	.	147,500	5,000	152,500
1977	.	.	.	.	173,400	46,300	220,000
1978	.	.	.	.	188,582	10,100	198,682
1979	.	.	.	.	203,574	5,700	209,274
1980	.	.	.	.	254,417	11,100	265,517
1981	.	.	.	.	248,882	41,800	290,682
1982	.	.	.	.	417,263	19,800	437,063
1983	.	.	.	.	343,378	11,500	354,878
1984	.	.	.	.	261,802	20,900	282,702
1985	.	.	.	.	514,763	15,700	530,463
1986	.	.	.	.	353,040	3,300	356,340
1987	12,688	958	13,460	961	416,058	400	416,458
1988	12,230	869	15,691	1,534	463,457	7,700	471,157
1989	.	.	.	.	391,995	1,900	393,895
1990	.	.	.	.	412,154	26,500	438,654
1991	14,268	865	20,782	1,685	340,645	1,100	341,745
1992	13,242	825	17,265	1,144	406,457	13,600	420,057
1993	15,984	1,012	19,290	1,540	378,883	68,050	446,933
1994	13,886	834	16,611	1,016	477,215	14,600	491,815
1995	16,935	1,263	18,217	1,301	326,181	30,400	356,581
1996	10,227	776	16,673	1,827	519,984	7,600	527,584
1997	11,484	750	13,570	1,108	534,630	16,300	550,930
1998	16,544	1,219	22,289	2,234	530,848	13,700	544,548
1999	16,306	1,018	18,697	1,255	284,858	103,500	388,358
2000	15,248	860	17,321	1,087	490,118	43,500	533,618
2001	14,867	905	16,139	985	413,498	56,300	469,798
2002	12,204	1,039	12,681	1,093	315,044	33,400	348,444
2003	10,958	673	14,000	887	348,023	32,700	380,723
2004	11,921	925	14,398	1,085	426,534	21,100	447,634
2005	11,372	695	14,305	960	491,915	38,700	530,615
2006	12,850	954	15,549	1,270	216,810	77,600	294,410
2007	12,691	849	13,226	862	384,118	29,900	414,018
2008	13,247	735	15,153	890	545,884	25,600	571,484
2009	13,356	917	16,340	1,271	565,257	40,700	605,957
2010	17,327	1,314	19,254	1,545	691,534	46,900	738,434
2011	12,407	779	13,302	859	482,797	36,600	519,397
2012	17,231	1,288	19,341	1,775	339,642	17,100	356,742
2013	12,642	1,114	13,461	1,127	867,061	26,099	893,160
2014	12,657	1,578	14,518	1,988	617,903	37,920	655,823
2015	12,064	1,071	14,289	1,147	386,471	66,145	452,616
2016	18,019	1,169	23,236	2,935	405,716	27,979	433,695
2017	17,329	1,154	20,312	1,520	568,369	28,047	596,416
2018	17,066	1,232	20,950	2,129	1,005,612	37,101	1,047,120
2019	17,991	1,031	19,074	1,095	945,996	58,701	1,009,614
2020	No Survey	.	.	.	No Survey	.	.
2021	17,123	1,222	18,952	1,262	782,462	53,451	835,851
2022	12,414	736	13,325	842	685,476	42,272	730,472
<b>Averages:</b>							
Long Term	14,145		16,717		436,508	29,016	465,780
3-yr	15,843		17,117		804,645	51,475	858,646
<b>% Change from:</b>							
Long Term	-12.6		-20.8		59.0	47.1	58.7
3-yr	-21.6		-22.2		-14.8	-17.9	-14.9
2021	-27.5		-29.7		-12.4	-20.9	-12.6



**Abundance indices for Pacific and Central Valley Populations of Sandhill Cranes from the California mid-winter survey, by Strata, 1955-current.**

Year	14-1	14-2	14-3	14-4	14-5	14-6	14-7	14-3, 14-4, 14-5	Grand Total
	NW Coast	Modoc-Siskiyou	Sacramento Valley	San Francisco Bay Area	San Joaquin Basin	South Coast	Colorado River Area	Total	
1955	0	0	0	2,300	0	0	0	2,300	2,300
1956	No Survey	.	.	.	.	.	.	.	.
1957	0	0	456	3,161	685	0	0	4,302	4,302
1958	0	0	1,750	3,265	1,026	5,000	0	6,041	11,041
1959	0	0	3,250	3,200	1,024	0	0	7,474	7,474
1960	0	0	2,660	1,900	97	0	16	4,657	4,673
1961	0	0	500	2,275	6,405	0	28	9,180	9,208
1962	0	0	600	3,010	875	0	0	4,485	4,485
1963	0	0	660	2,875	134	0	0	3,669	3,669
1964	0	0	0	3,150	400	0	0	3,550	3,550
1965	0	0	1,376	1,300	232	0	0	2,908	2,908
1966	No Breakdown	.	.	.	.	.	.	.	3,638
1967	No Breakdown	.	.	.	.	.	.	.	15,729
1968	No Breakdown	.	.	.	.	.	.	.	6,181
1969	0	0	1,737	11,498	1,710	0	0	14,945	14,945
1970	No Breakdown	.	.	.	.	.	.	.	13,302
1971	0	0	2,580	2,630	345	0	0	5,555	5,555
1972	0	0	1,750	5,170	275	0	0	7,195	7,195
1973	0	0	645	1,565	1,075	0	3	3,285	3,288
1974	No Survey	.	.	.	.	.	.	.	.
1975	No Survey	.	.	.	.	.	.	.	.
1976	No Survey	.	.	.	.	.	.	.	.
1977	No Survey	.	.	.	.	.	.	.	.
1978	No Survey	.	.	.	.	.	.	.	.
1979	No Survey	.	.	.	.	.	.	.	.
1980	No Survey	.	.	.	.	.	.	.	.
1981	No Survey	.	.	.	.	.	.	.	.
1982	0	0	4,220	4,220	2,125	0	105	10,565	10,670
1983	0	0	75	85	1,165	0	0	1,325	1,325
1984	0	0	250	50	0	0	0	300	300
1985	0	0	800	1,895	375	45	485	3,070	3,600
1986	0	0	880	7,070	2,497	275	293	10,447	11,015
1987	0	0	500	6,415	388	0	293	7,303	7,596
1988	0	0	355	2,230	3,171	0	320	5,756	6,076
1989	0	0	1,155	1,646	4,977	0	550	7,778	8,328
1990	0	0	808	7,265	2,406	0	160	10,479	10,639
1991	0	0	3,420	4,173	100	0	352	7,693	8,045
1992	0	0	491	7,825	2,090	0	365	10,406	10,771
1993	0	0	2,812	.	3,412	0	0	6,224	6,224
1994	0	0	1,928	4,132	1,751	0	0	7,811	7,811
1995	0	0	1,724	1,938	4,106	0	0	7,768	7,768
1996	0	0	3,138	8,033	2,166	0	0	13,337	13,337
1997	0	0	538	1,791	3,331	0	126	5,660	5,786
1998	0	0	2,361	3,267	1,102	0	4	6,730	6,734
1999	0	0	4,306	7,855	36	0	324	12,197	12,521
2000	0	0	7,801	4,764	319	0	10	12,884	12,894
2001	0	0	9,209	13,069	1,540	0	450	23,818	24,268
2002	0	0	7,563	7,714	2,805	0	0	18,082	18,082
2003	0	0	7,113	7,591	3,480	0	453	18,184	18,637
2004	0	0	6,569	4,734	240	0	21	11,543	11,564
2005	0	0	7,786	2,611	1,335	0	476	11,732	12,208
2006	0	0	6,283	5,423	5,610	0	142	17,316	17,458
2007	0	0	6,477	3,552	2,691	0	20	12,720	12,740
2008	0	0	4,848	7,821	1,037	0	0	13,706	13,706
2009	0	0	4,896	11,878	1,905	0	60	18,679	18,739
2010	0	0	3,855	.	17,103	0	622	20,958	21,580
2011	0	0	4,244	.	5,057	0	150	9,301	9,451
2012	0	0	8,140	10,650	2,216	0	0	21,006	21,006
2013	0	0	6,583	4,362	0	0	500	10,945	11,445
2014	0	0	10,243	4,911	1,750	0	54	16,904	16,958
2015	.	.	.	.	.	.	.	.	26,830
2016	.	.	.	.	.	.	.	.	38,606
2017	.	.	.	.	.	.	.	.	44,005
2018	.	.	.	.	.	.	.	.	44,695
2019	No Survey	.	.	.	.	.	.	.	.
2020	.	.	.	.	.	.	.	.	41,788
2021	No Survey	.	.	.	.	.	.	.	.
2022	No Survey	.	.	.	.	.	.	.	.
<b>Averages:</b>									
Long Term	0	0	3,177	4,688	2,055	113	136	9,621	12,476
3-yr	0	0	8,413	4,637	875	0	277	13,925	43,242
<b>% Change from:</b>									
Long Term									
3-yr									
2014									

\*Survey methods changed in 2015 and strata are no longer consistent with historical strata. However, historical strata 14-3, 14-4, and 14-5 overlap with updated "Central Valley Total". See CA MWS report for current breakdown.

**Abundance indices for Lower Colorado River Valley Population of Sandhill Cranes from winter surveys in Arizona and California, 1998–current.**

Year	Cibola NWR	Colorado River Indian Tribe	Salton Sea NWR	Gila River	Total
1998	775	596	351	178	1,900
1999	1,200	511	325	163	2,199
2000	820	1,259	235	252	2,566
2001	961	952	350	134	2,397
2002	1,003	168	417	52	1,640
2003	1,200	455	430	0	2,085
2004	1,341	354	521	312	2,528
2005	1,513	457	476	191	2,637
2006	1,141	673	493	360	2,667
2007	2,322	809	295	450	3,876
2008	115	No Survey	687	413	Incomplete Survey
2009	289	1,216	603	293	2,401
2010	266	729	904	365	2,264
2011	553	636	899	327	2,415
2012	1,097	474	924	151	2,646
2013	1,629	344	671	434	3,078
2014	1,981	591	641	140	3,353
2015	676	720	688	452	2,536
2016	631	631	862	292	2,416
2017	940	636	819	321	2,716
2018	1,076	330	775	215	2,396
2019	1,171	192	1,062	497	2,922
2020	1,497	20	1,105	319	2,941
2021	4,812	No Survey	954	117	5,883
2022	941	1,248	1,226	372	3,787
<b>Averages:</b>					
Long Term	1,198	609	669	272	2,760
3-yr	2,417	634	1,095	269	4,204
<b>% Change from:</b>					
Long Term	-21.5	105.0	83.4	36.8	37.2
3-yr	-61.1	96.8	12.0	38.1	-9.9
2021	-80.4	#VALUE!	28.5	217.9	-35.6

Status and objectives for Pacific Flyway game bird populations.

Population	Recent Index		3-year Average		Management Index	Objective	Status Relative to Objective (%)
	Estimate	Year	Estimate	Years			
Aleutian Cackling Goose	215,236	2022	172,000	2020–2022	3-year	60,000	187%
Cackling Cackling Goose	238,481	2022	216,892	2019, 2021, 2022	3-year	250,000	-13%
Taverner's Cackling Goose	46,378	2022	44,529	2019, 2021, 2022	3-year	-	-
Pacific Population of Lesser Canada Goose	4,994	2022	6,690	2019, 2021, 2022	3-year	-	-
Dusky Canada Goose	13,156	2022	14,734	2019, 2021, 2022	3-year	20,000	-26%
Pacific Population of Western Canada Geese	310,190	2022	335,955	2018, 2019, 2022	3-year	119,000	182%
Rocky Mountain Population of Western Canada Geese	244,988	2022	224,445	2018, 2019, 2022	3-year	117,000	92%
Midcontinent Population of Greater White-fronted Geese	1,266,902	2019	937,536	2017–2019	3-year	600,000	56%
Pacific Population of Greater White-fronted Geese	664,428	2022	557,911	2019, 2021, 2022	3-year	300,000	86%
Tule Greater White-fronted Goose	11,713	2021	13,402	2019–2021	3-year	10,000	34%
Western Arctic Population of Lesser Snow Geese	419,800	2013	386,034	2007, 2009, 2013	1-year	200,000	110%
Wrangel Island Population of Lesser Snow Geese	706,068	2021	611,063	2019–2021	3-year	120,000	409%
Ross's Goose	337,000	2018	469,244	2016–2018	3-year	100,000	369%
Emperor Goose	28,864	2022	26,582	2019, 2021, 2022	Current Year	34,000	-15%
Pacific Population of Brant	158,680	2022	150,717	2020–2022	3-year	162,000	-7%
Pacific Population of Trumpeter Swans	17,878	2022	17,392	2019, 2021, 2022	3-year	-	-
Rocky Mountain Population of Trumpeter Swans (US seg.)	923	2021	933	2019-2021	1-year	718	29%
Rocky Mountain Population of Trumpeter Swans (CA seg.)	10,957	2015	-	-	1-year	10,000	10%
Western Population of Tundra Swans	100,771	2022	107,357	2019, 2021, 2022	3-year	60,000	79%
Eastern Population of Tundra Swans	95,730	2022	86,999	2020–2022	3-year	80,000	9%
Central Valley and Pacific Populations of Sandhill Cranes	41,788	2020	43,496	2017, 2018, 2020	1-year	30,000	39%
Lower Colorado River Valley Population of Sandhill Cranes	3,787	2022	4,204	2020–2022	3-year	2,500	68%
Mid-Continent Population of Sandhill Cranes	835,851	2022	858,646	2019, 2021, 2022	3-year	412,500	108%
Rocky Mountain Population of Sandhill Cranes	23,963	2021	23,630	2019-2021	3-year	18,500	28%
Western Management Unit Population of Mourning Doves	45,756,145	2021	33,567,008	2019-2021	1-year	38,600,000	19%
Pacific Coast Band-tailed Pigeon			199	2020-2022	3-year	167	19%