

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 9/6/2011	Delevan 9/9/2011	Colusa 9/9/2011	Sutter 9/9/2011	Butte Sink 9/9/2011	Llano Seco 9/8/2011	GRAND TOTALS
Coot	1,900	850	4	20	0	0	2,774
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	0	0	0
White-fronted goose	0	0	0	0	0	0	0
Tule W-F goose	160	15	10	0	0	0	185
White goose	0	0	0	0	0	0	0
Western Canada goose	115	80	0	7	0	0	202
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	0	0	0	0	0	0	0
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	275	95	10	7	0	0	387
Mallard	8,239	6,900	1,022	520	130	450	17,261
Pintail	57,350	38,600	2,485	550	760	0	99,745
Gadwall	3,170	1,100	100	30	20	0	4,420
Wigeon	250	300	0	0	0	0	550
Green-winged teal	6,900	6,300	10	30	0	0	13,240
Cinnamon teal	500	230	15	10	0	0	755
N. shoveler	4,310	2,750	0	0	4	0	7,064
Wood duck	70	215	4	10	5	0	304
other dabblers	0	0	0	0	0	0	0
TOTAL DABLERS	80,789	56,395	3,636	1,150	919	450	143,339
Ring-necked duck	0	100	0	0	0	0	100
Ruddy duck	200	0	0	0	0	0	200
Bufflehead	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0
TOTAL DIVERS	200	100	0	0	0	0	300
TOTAL DUCKS	80,989	56,495	3,636	1,150	919	450	143,639
PERCENTAGES	56.4	39.3	2.5	0.8	0.6	0.3	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 9/20/2011	Delevan 9/21/2011	Colusa 9/23/2011	Sutter 9/22/2011	Butte Sink 9/23/2011	Llano Seco 9/22/2011	GRAND TOTALS
Coot	3,620	1,280	334	230	285	10	5,759
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	0	0	0
White-fronted goose	809	314	9	0	0	0	1,132
Tule W-F goose	0	0	38	0	0	0	38
White goose	0	0	0	0	0	0	0
Western Canada goose	295	236	0	0	0	0	531
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	0	0	0	0	0	0	0
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	1,104	550	47	0	0	0	1,701
Mallard	14,060	11,450	1,578	6,150	432	500	34,170
Pintail	116,000	73,800	13,100	37,265	3,610	2,000	245,775
Gadwall	6,050	2,650	264	100	60	40	9,164
Wigeon	1,800	700	6	280	10	0	2,796
Green-winged teal	30,120	12,600	337	50	150	0	43,257
Cinnamon teal	270	210	42	17	0	0	539
N. shoveler	12,490	5,650	350	750	232	0	19,472
Wood duck	90	220	6	150	2	10	478
other dabblers	0	0	0	0	0	0	0
TOTAL DABLERS	180,880	107,280	15,683	44,762	4,496	2,550	355,651
Ring-necked duck	350	0	10	0	1	0	361
Ruddy duck	100	0	14	0	0	0	114
Bufflehead	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0
TOTAL DIVERS	450	0	24	0	1	0	475
TOTAL DUCKS	181,330	107,280	15,707	44,762	4,497	2,550	356,126
PERCENTAGES	50.9	30.1	4.4	12.6	1.3	0.7	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 10/4/2011	Delevan 10/7/2011	Colusa 10/3/2011	Sutter 10/7/2011	Butte Sink 10/3/2011	Llano Seco 10/6/2011	GRAND TOTALS
Coot	9,500	10,710	904	1,100	1,190	70	23,474
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	0	2	0	0	300	302
White-fronted goose	72,310	150,850	9,495	34,400	90	20	267,165
Tule W-F goose	0	0	0	0	0	0	0
White goose	0	572	0	0	0	0	572
Western Canada goose	136	101	0	0	0	442	679
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	20	20	1	0	0	0	41
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	72,466	151,543	9,496	34,400	90	462	268,457
Mallard	16,956	15,545	1,704	4,136	544	3,620	42,505
Pintail	110,980	130,695	16,132	19,529	3,205	9,720	290,261
Gadwall	3,250	2,730	454	465	302	80	7,281
Wigeon	950	2,680	612	1,320	600	100	6,262
Green-winged teal	9,590	34,295	550	24	290	890	45,639
Cinnamon teal	66	200	75	4	52	5	402
N. shoveler	20,580	11,408	2,308	593	945	250	36,084
Wood duck	14	165	5	31	0	20	235
other dabblers	0	0	0	0	0	0	0
TOTAL DABLERS	162,386	197,718	21,840	26,102	5,938	14,685	428,669
Ring-necked duck	420	450	3	0	130	0	1,003
Ruddy duck	80	0	0	0	10	0	90
Bufflehead	0	0	1	0	14	0	15
Redhead	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0
TOTAL DIVERS	500	450	4	0	154	0	1,108
TOTAL DUCKS	162,886	198,168	21,844	26,102	6,092	14,685	429,777
PERCENTAGES	37.9	46.1	5.1	6.1	1.4	3.4	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 10/17/2011	Delevan 10/19/2011	Colusa 10/17/2011	Sutter 10/18/2011	Butte Sink 10/20/2011	Llano Seco 10/20/2011	GRAND TOTALS
Coot	27,140	15,500	2,869	4,070	2,159	1,860	53,598
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	37	36	0	6	1,507	1,586
White-fronted goose	175,500	127,810	44,430	53,445	9,840	1,100	412,125
Tule W-F goose	0	0	0	0	0	0	0
White goose	20,800	5,300	81	11	0	0	26,192
Western Canada goose	135	300	0	0	0	578	1,013
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	80	0	27	0	0	0	107
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	196,515	133,410	44,538	53,456	9,840	1,678	439,437
Mallard	26,460	14,290	3,041	23,157	1,285	3,144	71,377
Pintail	164,530	83,950	23,189	99,465	21,420	19,020	411,574
Gadwall	27,560	15,730	2,197	1,535	1,811	2,474	51,307
Wigeon	10,860	12,620	4,716	7,200	10,800	4,110	50,306
Green-winged teal	26,300	49,100	2,066	3,560	3,925	3,715	88,666
Cinnamon teal	490	280	20	0	10	0	800
N. shoveler	29,870	21,420	6,597	5,525	5,410	2,061	70,883
Wood duck	30	1,260	3	51	0	0	1,344
other dabblers	0	0	0	0	0	0	0
TOTAL DABLERS	286,100	198,650	41,829	140,493	44,661	34,524	746,257
Ring-necked duck	8,680	3,900	192	0	3,360	0	16,132
Ruddy duck	100	0	0	0	570	4	674
Bufflehead	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0
TOTAL DIVERS	8,780	3,900	192	0	3,930	4	16,806
TOTAL DUCKS	294,880	202,550	42,021	140,493	48,591	34,528	763,063
PERCENTAGES	38.6	26.5	5.5	18.4	6.4	4.5	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Butte		Llano		GRAND		
	Sacramento 11/3/2011	Delevan 10/31/2011	Colusa 10/31/2011	Sutter 11/4/2011	Sink 11/5/2011	Seco 11/5/2011	TOTALS
Coot	26,500	13,200	5,050	2,770	6,722	4,290	58,532
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	45	526	0	9	288	868
White-fronted goose	90,470	77,215	26,945	44,842	5,915	24,380	269,767
Tule W-F goose	0	0	0	0	0	0	0
White goose	36,900	9,000	1,458	1,100	20	0	48,478
Western Canada goose	26	25	0	0	0	728	779
Aleutian goose	0	0	10	0	0	0	10
Cackling goose	413	0	36	1	0	0	450
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	127,809	86,240	28,449	45,943	5,935	25,108	319,484
Mallard	22,580	12,400	4,306	9,520	2,472	5,895	57,173
Pintail	306,090	95,300	27,680	44,080	71,739	32,675	577,564
Gadwall	35,430	15,440	6,460	2,455	6,273	3,880	69,938
Wigeon	26,780	13,290	11,962	12,235	39,720	4,700	108,687
Green-winged teal	54,100	54,110	7,275	7,550	6,260	6,200	135,495
Cinnamon teal	420	110	10	40	2	0	582
N. shoveler	27,782	15,690	12,296	4,055	18,555	3,330	81,708
Wood duck	50	1,300	16	10	5	0	1,381
other dabblers	0	0	0	0	0	0	0
TOTAL DABLERS	473,232	207,640	70,005	79,945	145,026	56,680	1,032,528
Ring-necked duck	14,710	1,160	263	0	1,100	50	17,283
Ruddy duck	1,300	300	2	0	140	0	1,742
Bufflehead	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0
Canvasback	250	0	0	0	0	0	250
Lesser scaup	0	0	1	0	0	0	1
other divers ¹	2	0	0	0	0	0	2
TOTAL DIVERS	16,262	1,460	266	0	1,240	50	19,278
TOTAL DUCKS	489,494	209,100	70,271	79,945	146,266	56,730	1,051,806
PERCENTAGES	46.5	19.9	6.7	7.6	13.9	5.4	

¹ other divers at Sacramento NWR = hooded mergansers

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento		Delevan		Colusa		Sutter		Butte	Llano	GRAND TOTALS
	11/17/2011	11/18/2011	11/15/2011	11/15/2011	11/14/2011	11/17/2011					
Coot	29,680	15,450	5,611	2,910	6,035	3,056				62,742	
Tundra Swan	0	0	0	0	0	0				0	
Sandhill Crane	0	0	538	0	6	404				948	
White-fronted goose	33,335	32,200	17,815	43,170	2,930	8,080				137,530	
Tule W-F goose	0	0	0	0	0	2				2	
White goose	166,000	95,700	25,655	11,100	4,850	2,000				305,305	
Western Canada goose	30	40	0	0	0	1,056				1,126	
Aleutian goose	0	0	0	0	0	0				0	
Cackling goose	220	0	47	0	0	0				267	
Undiff. Canada goose	0	0	0	0	0	0				0	
TOTAL GEESE	199,585	127,940	43,517	54,270	7,780	11,138				444,230	
Mallard	23,790	16,215	3,736	5,438	1,570	7,462				58,211	
Pintail	361,210	243,880	19,594	26,256	59,011	64,350				774,301	
Gadwall	39,720	18,330	4,341	1,209	6,800	5,840				76,240	
Wigeon	54,490	19,100	8,306	4,300	37,850	30,180				154,226	
Green-winged teal	53,980	71,500	9,416	120	748	2,800				138,564	
Cinnamon teal	560	100	0	2	0	0				662	
N. shoveler	34,110	11,380	11,838	1,799	19,525	6,900				85,552	
Wood duck	20	650	13	0	0	0				683	
other dabblers	0	0	0	0	0	0				0	
TOTAL DABLERS	567,880	381,155	57,244	39,124	125,504	117,532				1,288,439	
Ring-necked duck	9,035	370	930	10	200	0				10,545	
Ruddy duck	1,410	100	0	0	425	0				1,935	
Bufflehead	100	0	0	1	3	70				174	
Redhead	0	0	0	0	0	0				0	
Canvasback	700	0	0	0	0	0				700	
Lesser scaup	0	0	0	0	0	0				0	
other divers	0	0	0	0	0	0				0	
TOTAL DIVERS	11,245	470	930	11	628	70				13,354	
TOTAL DUCKS	579,125	381,625	58,174	39,135	126,132	117,602				1,301,793	
PERCENTAGES	44.5	29.3	4.5	3.0	9.7	9.0					

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 12/6/2011	Delevan 12/5/2011	Colusa 12/5/2011	Sutter 12/5/2011	Butte Sink 12/6/2011	Llano Seco 12/8/2011	GRAND TOTALS
Coot	30,510	18,300	7,173	4,675	12,843	4,800	78,301
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	4	439	443
White-fronted goose	54,630	12,910	15,403	32,541	1,100	11,051	127,635
Tule W-F goose	0	0	0	0	0	0	0
White goose	126,800	50,450	64,095	94,000	17,260	0	352,605
Western Canada goose	30	28	0	0	0	650	708
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	480	0	43	0	0	0	523
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	181,940	63,388	79,541	126,541	18,360	11,701	481,471
Mallard	20,278	12,180	3,698	5,367	1,038	8,620	51,181
Pintail	320,440	61,900	25,167	79,002	137,320	71,850	695,679
Gadwall	33,770	15,900	9,252	2,788	2,971	3,470	68,151
Wigeon	21,850	7,790	14,385	11,845	64,018	36,610	156,498
Green-winged teal	42,950	50,950	16,271	3,706	1,878	2,060	117,815
Cinnamon teal	400	50	8	0	0	0	458
N. shoveler	29,140	17,320	17,774	6,646	36,635	13,050	120,565
Wood duck	100	200	20	2	0	0	322
other dabblers	0	0	0	0	0	0	0
TOTAL DABLERS	468,928	166,290	86,575	109,356	243,860	135,660	1,210,669
Ring-necked duck	6,670	10	2,234	10	50	110	9,084
Ruddy duck	2,700	150	4	0	1,170	10	4,034
Bufflehead	140	130	14	11	0	85	380
Redhead	110	0	0	0	0	0	110
Canvasback	2,020	0	0	0	0	0	2,020
Lesser scaup	0	0	0	0	0	0	0
other divers ¹	3	0	0	0	0	0	3
TOTAL DIVERS	11,643	290	2,252	21	1,220	205	15,631
TOTAL DUCKS	480,571	166,580	88,827	109,377	245,080	135,865	1,226,300
PERCENTAGES	39.2	13.6	7.2	8.9	20.0	11.1	

¹ Other divers at Sacramento NWR = hooded merganser

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 12/19/2011	Delevan 12/20/2011	Colusa 12/19/2011	Sutter 12/19/2011	Butte Sink 12/21/2011	Llano Seco	GRAND TOTALS
Coot	26,340	21,950	10,125	5,170	4,405	0	67,990
Tundra Swan	0	0	0	0	0	0	0
Sandhill Crane	0	3	0	0	0	0	3
White-fronted goose	17,285	18,500	6,840	19,146	490	N	62,261
Tule W-F goose	0	0	0	0	0	O	0
White goose	57,300	50,250	31,390	36,455	1,653	0	177,048
Western Canada goose	50	60	0	0	2	D	112
Aleutian goose	0	0	0	0	0	A	0
Cackling goose	2	0	106	0	0	T	108
Undiff. Canada goose	0	0	0	0	0	A	0
TOTAL GEESE	74,637	68,810	38,336	55,601	2,145	0	239,529
Mallard	18,402	16,830	4,868	7,550	276	A	47,926
Pintail	114,410	110,760	44,023	87,575	21,460	V	378,228
Gadwall	32,210	20,180	9,741	1,401	3,930	A	67,462
Wigeon	5,120	8,650	30,653	32,600	13,040	I	90,063
Green-winged teal	33,290	70,400	20,258	4,819	8,770	L	137,537
Cinnamon teal	320	50	7	7	0	A	384
N. shoveler	21,218	19,980	27,426	7,884	6,109	B	82,617
Wood duck	50	0	1	0	0	L	51
other dabblers	0	0	0	0	0	E	0
TOTAL DABLERS	225,020	246,850	136,977	141,836	53,585	0	804,268
Ring-necked duck	2,980	1,000	2,371	206	0	0	6,557
Ruddy duck	2,300	2,500	2	8	264	0	5,074
Bufflehead	210	140	33	13	6	0	402
Redhead	0	0	0	0	0	0	0
Canvasback	1,830	0	0	1	0	0	1,831
Lesser scaup	0	0	0	1	0	0	1
other divers	0	0	0	0	0	0	0
TOTAL DIVERS	7,320	3,640	2,406	229	270	0	13,865
TOTAL DUCKS	232,340	250,490	139,383	142,065	53,855	0	818,133
PERCENTAGES	28.4	30.6	17.0	17.4	6.6	0.0	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 1/3/2012	Delevan 1/5/2012	Colusa 1/6/2012	Sutter 1/6/2012	Butte Sink 1/6/2012	Llano Seco 1/5/2012	GRAND TOTALS
Coot	31,830	21,260	8,252	8,440	4,700	5,750	80,232
Tundra Swan	0	10	0	0	0	0	10
Sandhill Crane	0	0	0	0	6	113	119
White-fronted goose	22,165	15,110	13,207	23,620	2,100	18,320	94,522
Tule W-F goose	0	0	0	0	0	0	0
White goose	63,150	33,350	37,731	48,395	1,200	20,020	203,846
Western Canada goose	115	50	0	0	0	950	1,115
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	290	25	145	0	0	490	950
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	85,720	48,535	51,083	72,015	3,300	39,780	300,433
Mallard	16,320	13,694	4,612	13,989	4,470	6,690	59,775
Pintail	59,440	72,010	26,385	121,300	57,120	84,900	421,155
Gadwall	24,650	19,802	10,747	3,577	2,360	8,540	69,676
Wigeon	2,322	4,080	11,684	31,445	40,390	63,690	153,611
Green-winged teal	34,970	45,340	16,578	7,607	5,160	15,060	124,715
Cinnamon teal	450	60	6	9	0	0	525
N. shoveler	21,960	24,028	17,552	11,260	4,740	3,730	83,270
Wood duck	50	0	1	0	0	0	51
other dabblers ²	0	0	1	0	0	0	1
TOTAL DABLERS	160,162	179,014	87,566	189,187	114,240	182,610	912,779
Ring-necked duck	1,840	1,900	1,966	84	0	1,000	6,790
Ruddy duck	1,100	1,380	154	50	500	0	3,184
Bufflehead	230	20	2	42	0	50	344
Redhead	20	0	0	0	0	0	20
Canvasback	500	0	0	0	0	0	500
Lesser scaup	0	0	0	2	0	0	2
other divers ¹	0	0	0	3	0	0	3
TOTAL DIVERS	3,690	3,300	2,122	181	500	1,050	10,843
TOTAL DUCKS	163,852	182,314	89,688	189,368	114,740	183,660	923,622
PERCENTAGES	17.7	19.7	9.7	20.5	12.4	19.9	

¹ Other divers at Sutter NWR = 2 hooded mergansers and 1 common merganser.

² Other dabbler at Colusa NWR = Falcated teal.

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 1/17/2012	Delevan 1/20/2012	Colusa 1/17/2012	Sutter	Butte Sink 1/17/2012	Llano Seco 1/18/2012	GRAND TOTALS
Coot	30,560	22,200	8,457	N	1,974	5,600	68,791
Tundra Swan	0	0	0	O	0	0	0
Sandhill Crane	0	0	0	0	0	102	102
White-fronted goose	23,360	4,850	12,319	D	100	1,845	42,474
Tule W-F goose	0	0	0	A	0	0	0
White goose	57,580	5,970	37,954	T	0	0	101,504
Western Canada goose	46	50	0	A	0	1,500	1,596
Aleutian goose	0	0	0	0	0	0	0
Cackling goose	70	0	112	0	0	0	182
Undiff. Canada goose	0	0	0	0	0	0	0
TOTAL GEESE	81,056	10,870	50,385	0	100	3,345	145,756
Mallard	20,350	13,900	2,799	A	157	6,860	44,066
Pintail	56,100	33,760	21,588	V	11,588	63,300	186,336
Gadwall	27,875	17,850	7,570	A	1,937	2,430	57,662
Wigeon	3,550	6,150	10,222	I	6,201	67,580	93,703
Green-winged teal	50,990	22,100	10,962	L	5,371	4,630	94,053
Cinnamon teal	240	60	0	A	0	0	300
N. shoveler	27,325	19,370	15,290	B	3,976	11,820	77,781
Wood duck	0	0	6	L	0	0	6
other dabblers	0	0	0	E	0	0	0
TOTAL DABLERS	186,430	113,190	68,437	0	29,230	156,620	553,907
Ring-necked duck	3,360	1,210	1,047	0	30	42	5,689
Ruddy duck	1,500	900	9	0	162	0	2,571
Bufflehead	110	70	28	0	6	24	238
Redhead	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0
other divers ¹	0	0	0	0	0	4	4
TOTAL DIVERS	4,970	2,180	1,084	0	198	70	8,502
TOTAL DUCKS	191,400	115,370	69,521	0	29,428	156,690	562,409
PERCENTAGES	34.0	20.5	12.4	0.0	5.2	27.9	

¹ Other divers at Llano Seco NWR = hooded merganser