

June - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	6/13/2022	6/15/2022	6/17/2022	6/15/2022	6/16/2022	6/17/2022	-
% of Wetlands Flooded	11%	7%	5%	18%	0%	2%	-
# American coot	300	50	6	21	0	1	378
# Tundra swan	0	0	0	0	0	0	0
# Sandhill crane	0	0	0	0	0	0	0
# White-fronted goose	0	0	0	4	0		4
# White goose	0	0	0	0	0	0	0
# Western Canada goose	178	6	0	0	0	0	184
# Aleutian cackling goose	0	0	0	0	0	0	0
# Cackling cackling goose	0	0	0	0	0	0	0
TOTAL # GEESE	178	6	0	4	0	0	188
# Mallard	2,609	410	32	82	0	0	3,133
# Northern pintail	80	0	2	0	0	4	86
# Gadwall	349	30	0	8	0	0	387
# American wigeon	0	0	0	0	0	0	0
# Green-winged teal	0	0	0	0	0	0	0
# Cinnamon teal	78	14	2	3	0	0	97
# Northern shoveler	110	0	4	4	0	0	118
# Wood duck	16	6	1	12	0	4	39
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	0	0	1	0	0	0	1
# Ruddy duck	50	5	0	0	0	0	55
# 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 diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	3,292	465	42	109	0	0	3,916
TOTAL # WATERFOWL	3,470	471	42	113	0	0	4,104

July - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	7/14/2022	7/19/2022	7/15/2022	7/18/2022	7/18/2022	7/15/2022	-
% of Wetlands Flooded	15%	6%	4%	0%	0%	2%	-
# American coot	450	0	0	0	0	0	450
# 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
# White goose	0	0	0	0	0	0	0
# Western Canada goose	461	6	0	0	0	0	467
# Aleutian cackling goose	0	0	0	0	0	0	0
# Cackling cackling goose	0	0	0	0	0	0	0
TOTAL # GEESE	461	6	0	0	0	0	467
# Mallard	7,080	230	23	5	0	20	7,358
# Northern pintail	0	0	7	0	0	0	7
# Gadwall	260	0	0	2	0	0	262
# American wigeon	0	0	0	0	0	0	0
# Green-winged teal	0	0	1	0	0	0	1
# Cinnamon teal	299	10	0	0	0	3	312
# Northern shoveler	0	0	0	0	0	0	0
# Wood duck	80	12	0	6	0	0	98
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	0	0	0	0	0	0	0
# Ruddy duck	90	0	0	0	0	0	90
# 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 diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	7,809	252	31	13	0	23	8,128
TOTAL # WATERFOWL	8,270	258	31	13	0	23	8,595

August - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	8/17/2022	8/16/2022	8/20/2022	8/18/2022	8/18/2022	8/18/2022	-
% of Wetlands Flooded	8%	8%	6%	0%	0%	1%	-
# American coot	200	0	1	0	0	0	201
# 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
# White goose	0	0	0	0	0	0	0
# Western Canada goose	219	200	20	0	0	43	482
# Aleutian cackling goose	0	0	0	0	0	0	0
# Cackling cackling goose	0	0	0	0	0	0	0
TOTAL # GEESE	219	200	20	0	0	43	482
# Mallard	8,250	720	147	0	0	5	9,122
# Northern pintail	3,100	300	673	0	0	0	4,073
# Gadwall	430	50	70	0	0	0	550
# American wigeon	0	0	0	0	0	0	0
# Green-winged teal	1,320	150	81	0	0	0	1,551
# Cinnamon teal	480	58	10	0	0	0	548
# Northern shoveler	200	80	70	0	0	0	350
# Wood duck	60	20	0	0	0	0	80
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	0	0	0	0	0	0	0
# Ruddy duck	40	0	0	0	0	0	40
# 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 diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	13,880	1,378	1,051	0	0	5	16,314
TOTAL # WATERFOWL	14,099	1,578	1,071	0	0	48	16,796

September - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	9/16/2022	9/19/2022	9/16/2022	9/21/2022	9/21/2022	9/16/2022	-
% of Wetlands Flooded	21%	19%	16%	3%	6%	2%	-
# American coot	300	300	1	0	10	0	611
# Tundra swan	0	0	0	0	0	0	0
# Sandhill crane	0	0	0	0	0	0	0
# White-fronted goose	1,300	1,810	970	0	0		4,080
# White goose	0	0	0	0	0	0	0
# Western Canada goose	190	60	113	0	0	0	363
# Aleutian cackling goose	0	0	0	0	0	65	65
# Cackling cackling goose	0	0	0	0	0	0	0
TOTAL # GEESE	1,490	1,870	1,083	0	0	0	4,508
# Mallard	3,730	1,370	536	6	50	65	5,757
# Northern pintail	35,850	15,300	13,738	0	1,800	25	66,713
# Gadwall	3,910	350	490	0	30	0	4,780
# American wigeon	550	50	0	0	0	2	602
# Green-winged teal	9,210	4,450	650	0	200	0	14,510
# Cinnamon teal	350	210	0	0	10	0	570
# Northern shoveler	7,780	2,700	392	0	50	0	10,922
# Wood duck	20	0	0	0	0	0	20
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	30	0	0	0	0	0	30
# Ruddy duck	0	0	0	0	0	0	0
# 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 diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	61,430	24,430	15,806	6	2,140	0	103,904
TOTAL # WATERFOWL	62,920	26,300	16,889	6	2,140	0	108,412

October - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	10/24/2022	10/25/2022	10/21/2022	10/20/2022	10/21/2022	10/20/2022	-
% of Wetlands Flooded	56%	56%	51%	0%	53%	40%	-
# American coot	11,100	10,150	3,008	0	501	50	24,809
# Tundra swan	0	0	0	0	0	0	0
# Sandhill crane	0	640	1,090	0	197	1,100	3,027
# White-fronted goose	11,540	9,385	10,805	400	5,140	23,298	60,568
# White goose	6,590	8,042	297	0	0	275	15,204
# Western Canada goose	6	21	0	0	0	73	100
# Aleutian cackling goose	0	0	0	0	0	0	0
# Cackling cackling goose	0	195	458	20	0	3	676
TOTAL # GEESE	18,136	17,643	11,560	420	5,140	23,649	76,548
# Mallard	6,972	5,510	1,559	5	363	309	14,718
# Northern pintail	30,420	35,420	46,249	0	10,757	3,967	126,813
# Gadwall	12,100	12,840	5,284	4	704	85	31,017
# American wigeon	4,880	10,050	8,279	0	6,007	215	29,431
# Green-winged teal	16,650	29,350	6,316	0	1,470	143	53,929
# Cinnamon teal	98	90	1	0	0	0	189
# Northern shoveler	24,580	17,480	13,447	4	2,680	411	58,602
# Wood duck	90	30	2	0	0	0	122
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	7,200	3,500	148	0	20	0	10,868
# Ruddy duck	120	0	10	0	0	0	130
# 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 diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	103,110	114,270	81,295	13	22,001	5,130	325,819
TOTAL # WATERFOWL	121,246	131,913	92,855	433	27,141	28,779	402,367

November - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	11/22/2022	11/17/2022	11/17/2022	11/18/2022	11/16/2022	11/16/2022	-
% of Wetlands Flooded	81%	72%	69%	17%	82%	86%	-
# American coot	35,630	19,700	6,125	795	4,870	559	67,679
# Tundra swan	0	0	0	0	0	0	0
# Sandhill crane	0	365	355	0	315	2,742	3,777
# White-fronted goose	3,038	1,635	1,224	9,300	2,250	8,021	25,468
# White goose	35,300	22,790	32,155	18,551	1,000	19,052	128,848
# Western Canada goose	218	120	0	0	0	524	862
# Aleutian cackling goose	0	35	2	0	0	11	48
# Cackling cackling goose	0	1	45	0	0	440	486
TOTAL # GEESE	38,556	24,581	33,426	27,851	3,250	28,048	155,712
# Mallard	15,949	4,908	1,039	432	1,330	908	24,566
# Northern pintail	26,155	28,110	18,300	20,975	129,930	84,767	308,237
# Gadwall	26,486	14,250	5,527	749	13,270	1,714	61,996
# American wigeon	1,850	2,670	1,759	10,126	30,018	15,685	62,108
# Green-winged teal	33,630	19,220	9,663	7,425	27,990	659	98,587
# Cinnamon teal	100	10	2	4	0	0	116
# Northern shoveler	17,620	10,100	5,246	640	4,650	6,925	45,181
# Wood duck	0	0	1	4	255	0	260
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	15,050	1,400	1,262	150	8,450	12	26,324
# Ruddy duck	550	450	275	10	255	6	1,546
# Bufflehead	390	0	67	0	280	72	809
# Redhead	0	0	1	0	4	0	5
# Canvasback	0	0	0	0	0	0	0
# Lesser scaup	0	0	0	0	0	0	0
# other diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	137,780	81,118	43,142	40,515	216,432	110,748	629,735
TOTAL # WATERFOWL	176,336	105,699	76,568	68,366	219,682	138,796	785,447

December - Sacramento NWR Complex Waterfowl Survey Summary

Refuge surveyed	Sacramento NWR	Delevan NWR	Colusa NWR	Sutter NWR	Butte Sink Unit of Butte Sink WMA	Llano Seco Unit of Steve Thompson North Central Valley WMA	COMPLEX TOTALS
Survey date	12/13/2022	12/15/2022	12/19/2022	12/16/2022	12/16/2022	12/19/2022	-
% of Wetlands Flooded	89%	82%	89%	74%	100%	91%	-
# American coot	22,670	21,230	8,590	3,006	3,865	1,337	60,698
# Tundra swan	0	0	0	0	0	0	0
# Sandhill crane	0	0	0	0	0	222	222
# White-fronted goose	5,571	6,515	1,857	6,673	120	2,506	23,242
# White goose	19,620	20,030	8,421	556	2	8,900	57,529
# Western Canada goose	97	70	0	0	0	72	239
# Aleutian cackling goose	0	0	0	0	0	0	0
# Cackling cackling goose	12	0	20	0	0	60	92
TOTAL # GEESE	25,300	26,615	10,298	7,229	122	11,538	81,102
# Mallard	10,834	6,020	2,671	1,169	1,145	936	22,775
# Northern pintail	14,565	40,161	19,123	42,501	32,390	8,616	157,356
# Gadwall	20,213	14,955	6,484	1,544	2,437	1,088	46,721
# American wigeon	3,432	3,274	7,576	10,028	11,530	9,488	45,328
# Green-winged teal	12,540	19,190	8,357	15,147	8,470	5,626	69,330
# Cinnamon teal	90	25	11	2	0	0	128
# Northern shoveler	12,087	16,150	10,691	1,221	1,160	3,042	44,351
# Wood duck	0	0	2	7	90	2	101
# other dabbling ducks	0	0	0	0	0	0	0
# Ring-necked duck	7,920	0	2,864	480	3,800	40	15,104
# Ruddy duck	1,000	180	17	2	450	0	1,649
# Bufflehead	88	98	77	26	20	21	330
# 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 diving ducks	0	0	0	0	0	0	0
TOTAL # DUCKS	82,769	100,053	57,873	72,127	61,492	28,859	403,173
TOTAL # WATERFOWL	108,069	126,668	68,171	79,356	61,614	40,397	484,275