

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 9/4/2007	Delevan 9/5/2007	Colusa 9/4/2007	Sutter 9/5/2007	Butte Sink 9/5/2007	SUB TOTALS	Llano Seco 9/6/2007	GRAND TOTALS
Coot	2480	450	35	0	50	3015	100	3115
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	0	0	4	4
White-fronted goose	0	0	0	0	0	0	0	0
Tule W-F goose	41	15	0	0	0	56	0	56
White goose	0	0	0	0	0	0	0	0
Western Canada goose	180	0	46	0	0	226	0	226
Aleutian Canada goose	0	0	0	0	0	0	0	0
Cackling Canada goose	0	0	0	0	0	0	0	0
Undiff. Canada goose	0	0	0	0	0	0	0	0
TOTAL GEESE	221	15	46	0	0	282	0	282
Mallard	10550	3805	1105	280	475	16215	214	16429
Pintail	73840	14000	5080	20	9075	102015	550	102565
Gadwall	5095	970	440	2	50	6557	300	6857
Wigeon	340	85	0	0	100	525	10	535
Green-winged teal	28550	5900	75	30	0	34555	250	34805
Cinnamon teal	525	1200	46	5	0	1776	12	1788
N. shoveler	9370	2910	400	2	100	12782	54	12836
Wood duck	150	450	16	0	1	617	0	617
other dabblers	0	0	0	0	0	0	0	0
TOTAL DABLERS	128420	29320	7162	339	9801	175042	1390	176432
Ring-necked duck	0	0	0	0	0	0	0	0
Ruddy duck	0	0	0	0	0	0	0	0
Bufflehead	0	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	0	0	0	0	0	0	0	0
TOTAL DUCKS	128420	29320	7162	339	9801	175042	1390	176432
PERCENTAGES	72.8	16.6	4.1	0.2	5.6		0.8	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 9/13/2007	Delevan 9/17/2007	Colusa 9/19/2007	Sutter 9/12/2007	Butte Sink 9/20/2007	SUB TOTALS	Llano Seco 9/20/2007	GRAND TOTALS
Coot	7330	4190	574	65	3600	15759	400	16159
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	0	0	110	110
White-fronted goose	0	465	75	0	0	540	0	540
Tule W-F goose	262	0	0	0	0	262	0	262
White goose	0	0	0	0	0	0	0	0
Western Canada goose	34	110	17	0	0	161	0	161
Aleutian Canada goose	0	0	0	0	0	0	0	0
Cackling Canada goose	0	0	0	0	0	0	0	0
Undiff. Canada goose	0	0	0	0	0	0	0	0
TOTAL GEESE	296	575	92	0	0	963	0	963
Mallard	13647	9880	3922	5250	210	32909	630	33539
Pintail	83680	36350	16985	12170	520	149705	2880	152585
Gadwall	9650	3750	676	177	320	14573	1035	15608
Wigeon	1020	1090	1861	122	2780	6873	1260	8133
Green-winged teal	28400	10300	2577	450	350	42077	315	42392
Cinnamon teal	980	310	18	50	150	1508	32	1540
N. shoveler	16140	9020	524	695	1050	27429	207	27636
Wood duck	345	350	24	25	0	744	0	744
other dabblers	0	0	0	0	0	0	0	0
TOTAL DABLERS	153862	71050	26587	18939	5380	275818	6359	282177
Ring-necked duck	0	0	0	0	800	800	0	800
Ruddy duck	0	0	0	0	100	100	0	100
Bufflehead	0	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	0	0	0	0	900	900	0	900
TOTAL DUCKS	153862	71050	26587	18939	6280	276718	6359	283077
PERCENTAGES	54.4	25.1	9.4	6.7	2.2		2.2	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 10/1/2007	Delevan 10/2/2007	Colusa 10/2/2007	Sutter 10/3/2007	Butte Sink 10/3/2007	SUB TOTALS	Llano Seco 10/4/2007	GRAND TOTALS
Coot	18660	12030	1992	870	2900	36452	850	37302
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	120	81	0	16	217	614	831
White-fronted goose	69702	63750	6570	5130	800	145952	0	145952
Tule W-F goose	0	0	0	0	0	0	0	0
White goose	0	4	0	0	0	4	0	4
Western Canada goose	140	100	0	0	0	240	10	250
Aleutian Canada goose	0	0	0	5	900	905	0	905
Cackling Canada goose	16	22	1	0	0	39	0	39
Undiff. Canada goose	0	0	0	0	0	0	0	0
TOTAL GEESE	69858	63876	6571	5135	1700	147140	10	147150
Mallard	25645	15910	4046	10540	860	57001	36	57037
Pintail	152760	101950	13609	44370	7930	320619	510	321129
Gadwall	17320	12700	1817	1355	480	33672	370	34042
Wigeon	12685	18550	4434	3440	690	39799	190	39989
Green-winged teal	30300	22600	3084	1211	430	57625	300	57925
Cinnamon teal	660	1090	18	190	40	1998	0	1998
N. shoveler	21460	13670	4666	1929	2170	43895	160	44055
Wood duck	130	60	2	300	0	492	0	492
other dabblers	0	0	0	0	0	0	0	0
TOTAL DABLERS	260960	186530	31676	63335	12600	555101	1566	556667
Ring-necked duck	3400	2750	22	0	1240	7412	10	7422
Ruddy duck	0	0	1	0	200	201	2	203
Bufflehead	0	0	0	0	0	0	0	0
Redhead	0	0	0	0	0	0	0	0
Canvasback	0	0	0	0	0	0	0	0
Lesser scaup	0	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	3400	2750	23	0	1440	7613	12	7625
TOTAL DUCKS	264360	189280	31699	63335	14040	562714	1578	564292
PERCENTAGES	46.8	33.5	5.6	11.2	2.5		0.3	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 10/22/2007	Delevan 10/23/2007	Colusa 10/23/2007	Sutter 10/23/2007	Butte Sink 10/23/2007	SUB TOTALS	Llano Seco 10/22/2007	GRAND TOTALS
Coot	28480	14970	4762	2700	8200	59112	2092	61204
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	98	2	0	12	112	94	206
White-fronted goose	160480	101572	18630	66280	12700	359662	1	359663
Tule W-F goose	0	0	0	0	0	0	0	0
White goose	15343	930	92	6	0	16371	0	16371
Western Canada goose	60	90	35	0	0	185	347	532
Aleutian Canada goose	0	0	0	3	23	26	0	26
Cackling Canada goose	0	1	50	0	0	51	0	51
TOTAL GEESE	175883	102593	18807	66289	12723	376295	348	376643
Mallard	24640	12830	3106	7284	2950	50810	1670	52480
Pintail	415250	147452	20885	49795	147035	780417	8930	789347
Gadwall	40860	22125	3176	3570	22150	91881	2515	94396
Wigeon	73636	60710	12079	5545	89725	241695	3085	244780
Green-winged teal	66790	60050	4655	2515	9525	143535	750	144285
Cinnamon teal	706	390	12	5	0	1113	12	1125
N. shoveler	35035	28385	11171	3179	26316	104086	2095	106181
Wood duck	6	20	48	575	0	649	0	649
other dabblers	0	0	0	0	0	0	0	0
TOTAL DABLERS	656923	331962	55132	72468	297701	1414186	19057	1433243
Ring-necked duck	10920	2058	494	50	7000	20522	16	20538
Ruddy duck	3200	550	0	0	1000	4750	4	4754
Bufflehead	0	40	3	0	0	43	2	45
Redhead	0	0	0	0	50	50	5	55
Canvasback	35	15	1	0	50	101	0	101
Lesser scaup	60	0	0	0	0	60	0	60
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	14215	2663	498	50	8100	25526	27	25553
TOTAL DUCKS	671138	334625	55630	72518	305801	1439712	19084	1458796
PERCENTAGES	46.0	22.9	3.8	5.0	21.0		1.3	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 11/5/2007	Delevan 11/6/2007	Colusa 11/6/2007	Sutter 11/9/2007	Butte Sink 11/9/2007	SUB TOTALS	Llano Seco 11/1/2007	GRAND TOTALS
Coot	29700	17830	7351	3715	7500	66096	3870	69966
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	0	0	30	30
White-fronted goose	59108	48170	21390	61600	2860	193128	8	193136
Tule W-F goose	0	0	0	0	0	0	0	0
White goose	77558	59250	9000	4120	2700	152628	0	152628
Western Canada goose	290	120	0	0	0	410	620	1030
Aleutian Canada goose	0	0	0	0	0	0	0	0
Cackling Canada goose	0	60	16	4	0	80	16	96
Undiff. Canada goose	0	0	0	0	0	0	0	0
TOTAL GEESE	136956	107600	30406	65724	5560	346246	644	346890
Mallard	32397	25255	8296	8492	7070	81510	3135	84645
Pintail	559760	246580	35105	26670	90405	958520	143970	1102490
Gadwall	52420	32965	10138	4755	20410	120688	4875	125563
Wigeon	100155	101220	24637	9150	77435	312597	22225	334822
Green-winged teal	94450	88400	14741	1350	7905	206846	525	207371
Cinnamon teal	1652	350	21	0	100	2123	0	2123
N. shoveler	51819	38865	21247	5000	3385	120316	4900	125216
Wood duck	20	0	12	50	0	82	0	82
other dabblers	0	0	0	0	0	0	0	0
TOTAL DABLERS	892673	533635	114197	55467	206710	1802682	179630	1982312
Ring-necked duck	28550	2900	6002	0	2000	39452	40	39492
Ruddy duck	5070	2050	2	0	2050	9172	0	9172
Bufflehead	150	50	1	0	5	206	0	206
Redhead	0	0	0	0	0	0	2	2
Canvasback	20	0	0	0	30	50	0	50
Lesser scaup	0	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	33790	5000	6005	0	4085	48880	42	48922
TOTAL DUCKS	926463	538635	120202	55467	210795	1851562	179672	2031234
PERCENTAGES	45.6	26.5	5.9	2.7	10.4		8.8	

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 11/19/2007	Delevan 11/20/2007	Colusa 11/20/2007	Sutter 11/20/2007	Butte Sink 11/20/2007	SUB TOTALS	Llano Seco 11/21/2007	GRAND TOTALS
Coot	31260	18450	8367	3340	8000	69417	5000	74417
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	5	5	2	7
White-fronted goose	11080	8200	1509	12685	2400	35874	18	35892
Tule W-F goose	0	0	0	0	0	0	0	0
White goose	41450	17050	3734	4230	3720	70184	0	70184
Western Canada goose	250	205	0	0	0	455	34	489
Aleutian Canada goose	0	0	3	4	0	7	0	7
Cackling Canada goose	30	0	0	0	0	30	0	30
Undiff. Canada goose	0	0	0	0	0	0	0	0
TOTAL GEESE	52810	25455	5246	16919	6120	106550	52	106602
Mallard	28004	21198	4153	12590	4495	70440	14040	84480
Pintail	216586	88945	10780	32565	195500	544376	211540	755916
Gadwall	27795	21660	5606	2015	18700	75776	6860	82636
Wigeon	14100	7060	9358	6075	84025	120618	80075	200693
Green-winged teal	43970	64050	4753	1935	20450	135158	7530	142688
Cinnamon teal	690	1285	26	8	100	2109	0	2109
N. shoveler	29500	22770	7800	2405	14350	76825	26440	103265
Wood duck	0	0	0	50	0	50	0	50
other dabblers ¹	2	0	0	0	0	2	0	2
TOTAL DABLERS	360647	226968	42476	57643	337620	1025354	346485	1371839
Ring-necked duck	21200	3180	1402	200	6000	31982	0	31982
Ruddy duck	4760	1150	0	0	2500	8410	0	8410
Bufflehead	90	70	0	5	50	215	30	245
Redhead	0	0	0	0	20	20	0	20
Canvasback	0	0	1	0	100	101	0	101
Lesser scaup	0	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	26050	4400	1403	205	8670	40728	30	40758
TOTAL DUCKS	386697	231368	43879	57848	346290	1066082	346515	1412597
PERCENTAGES	27.4	16.4	3.1	4.1	24.5		24.5	

¹ Other dabblers at Sacramento NWR = Blue-winged teal

Sacramento NWR Complex Waterfowl Survey Summary

Refuge Date	Sacramento 12/4/2007	Delevan 12/3/2007	Colusa	Sutter 12/3/2007	Butte Sink 12/3/2007	SUB TOTALS	Llano Seco 12/7/2007	GRAND TOTALS
Coot	39720	22360	0	7560	11600	81240	3980	85220
Tundra Swan	0	0	0	0	0	0	0	0
Sandhill Crane	0	0	0	0	0	0	0	0
White-fronted goose	4447	4580	N	15204	400	24631	0	24631
Tule W-F goose	0	0	O	0	0	0	0	0
White goose	11650	6450	T	32800	200	51100	0	51100
Western Canada goose	197	30	0	0	0	227	343	570
Aleutian Canada goose	0	0	0	0	0	0	0	0
Cackling Canada goose	0	0	0	0	0	0	0	0
Undiff. Canada goose	0	0	0	0	0	0	0	0
TOTAL GEESE	16294	11060	0	48004	600	75958	343	76301
Mallard	34010	19000	S	20450	5050	78510	8980	87490
Pintail	102818	34770	U	87605	344290	569483	178375	747858
Gadwall	38496	20500	R	5715	21020	85731	1525	87256
Wigeon	7346	5740	V	15000	105220	133306	69825	203131
Green-winged teal	21050	34350	E	6350	14100	75850	5935	81785
Cinnamon teal	124	550	Y	0	0	674	0	674
N. shoveler	30210	22200	E	9970	12360	74740	11445	86185
Wood duck	0	0	D	100	10	110	0	110
other dabblers	0	0	0	0	0	0	0	0
TOTAL DABLERS	234054	137110	0	145190	502050	1018404	276085	1294489
Ring-necked duck	15785	5060	0	400	10000	31245	0	31245
Ruddy duck	2990	1250	0	20	3000	7260	0	7260
Bufflehead	280	150	0	49	60	539	48	587
Redhead	0	0	0	0	0	0	0	0
Canvasback	40	0	0	0	50	90	0	90
Lesser scaup	0	0	0	0	0	0	0	0
other divers	0	0	0	0	0	0	0	0
TOTAL DIVERS	19095	6460	0	469	13110	39134	48	39182
TOTAL DUCKS	253149	143570	0	145659	515160	1057538	276133	1333671
PERCENTAGES	19.0	10.8	0.0	10.9	38.6		20.7	