

MARIN COUNTY (SOUTHERN) CHRISTMAS BIRD COUNT - ALPINE LAKE

1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	SPECIES					
15	46						9	29	3	15	4	6			13	8	18		2		2				2								Canada Goose				
																										5							Wood Duck				
1											6	10		2	25					6						5					18	American Wigeon					
7	2			4	6	21	3	4		27	29	18		5	2				8	1	2	24			12				18	2	Mallard						
	162			42																													Northern Pintail				
				2								54	12											4									American Green-winged Teal				
1							36	5	2		18	140	46		12	3			12	2	16	20			7							Canvasback					
													2		2																			Ring-necked Duck			
																				6														Greater Scaup			
																				3														Lesser Scaup			
2								1		1	7	4	1	2	3					6														scaup sp.			
13	2	1	1	2				2		5	1	2	1	1			1		1	1					5									Bufflehead			
								2																											Common Goldeneye		
																																			Barrow's Goldeneye		
14	10	8			2	3					2	2																						Hooded Merganser			
	4	2		1			1	1		19		7	10									1			2		4				2	6		Common Merganser			
20											1	2			6						1		2			4							4	Ruddy Duck			
8		70	3		4	5	12			2	6				9	3							1	5	3		12			2	4		California Quail				
																							2	4										9	Wild Turkey		
		1	2	2		1					1	7	2	1	1	5	1	6		1	6	10	5	1		1	2	1				1		Common Loon			
																										1									2	Pied-billed Grebe	
																																				Eared Grebe	
1	2	5		1		1		6			9			1	1		2	1							7							1		Western Grebe			
2		1		1				1		1																									3	Double-crested Cormorant	
																																			1	Great Blue Heron	
																																				1	Snowy Egret
39	12	25	28	8	7	9	3	28	10	38	36	23	11	3	24	28	33	64	11	28	57	27		3	10	57	13	13	5	1	25		Turkey Vulture				
								1	2				1					2	6			3	1	2		3		1					1		Osprey		
																				1		2														White-tailed Kite	
5	2	1		1	1	1			1	1	2	4	1		1	2				1	3	1							1	1				Northern Harrier			
																																				Sharp-shinned Hawk	
																																					Cooper's Hawk
1												2	1	2						1	1														Accipiter sp.		
																																				Red-shouldered Hawk	
7	6	1	2	3	3	1	1	3	5	11	10	5	5	1	6	4	9	8	2	5	3		1			1	1	1	6	1	2	7		Red-tailed Hawk			
1																																				Golden Eagle adult(s)	
																																					American Kestrel
3	2	6	2	3	2	2	1	2	2	3	3	2	2	1	1	1	3	7	1			3	1	3		1	3	2	3	1		2		Merlin			
																																					Peregrine Falcon
																																					falcon sp.
																																					large falcon sp.
4					5		1									1	1		20	68		5						3							American Coot		
23	5	4									1	4	1	2	2																					Killdeer	
							1	1			1	5			2		1																			1	Spotted Sandpiper
2																																					Greater Yellowlegs
																																					dowitcher sp.
																																					Wilson's Snipe
																																					Ring-billed Gull
																																					Western Gull
1	1	40	5	2		5						8			5		5	2								1	1								California Gull		

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										2																							Herring Gull						
		1	7			1	3	1		1		6			29		8	3	4							2						Glaucous-winged Gull							
4						5		5		25	2	2	60		82		11	22	15	3		8	75									Glaucous-winged Gull X Western Gull							
										1																							Caspian Tern						
104		20																															Rock Pigeon						
1	2	3	1			1	2			1	5					3											2		6	120	54	12	125	53	Band-tailed Pigeon				
2																																		Mourning Dove					
7	3	5							1			4	3	5	1	2	2																	Western Screech-Owl					
																																			Great Horned Owl				
2	1	1														1																		Northern Pygmy-Owl					
3	1								1			2																							Spotted Owl				
																																				Northern Saw-whet Owl			
9	5	2				8	4	4	5	9	1	7	13	9	4		6	2	5	7	14	16	9	25	4	2	3	3	4	12	12	3	12	White-throated Swift					
											1																									Anna's Hummingbird			
3	2	1				1	1	1				1	1	2																					Selasphorus sp.				
91	15	2	14	15	2	15	16	29	22	57	42	12	46	8	35	4	15	11	37	33	12	19	42			1	12	16	6	7	6	5		Belted Kingfisher					
																																					Acorn Woodpecker		
2		1																																		Red-breasted Sapsucker			
		1	1																																		Nuttall's Woodpecker		
3						1	1																														Downy Woodpecker		
																																					Hairy Woodpecker		
34	25	10	18	9	18	10																															Northern Flicker		
2	1																																				Northern (Red-shafted) Flicker		
																																						Pileated Woodpecker	
1																																					Empidonax sp.		
20	4																																				Black Phoebe		
27	8	30	23	4	11	3	35	57	25	12	90	40	16	37	31	27	7	14	10	28	2	14	25	4	6	2	4	11	7	7	6				Steller's Jay				
66	35	20	12	28	14	24	12	58	12	17	63	60	10	16	13	29	34	27	29	29	16	21	12	4	5	9	7	13								Western Scrub-Jay			
5																																						American Crow	
7	8	1																																				Common Raven	
26	20	15	28	14	5	16	24	16	14	58	72	48	10	66	41	76	22	27	25	3	10	82	47	20	3	5	2	4	3	18	34					Chestnut-backed Chickadee			
6																																						Oak Titmouse	
76	35	28	42																																			Bushtit	
																																							Red-breasted Nuthatch
1																																						White-breasted Nuthatch	
2																																						Pygmy Nuthatch	
19	5	2	3	6	3	3	1	2	2	7	5	4	5	10	9	6	5	2																				Brown Creeper	
13	17	2	2	5	6	10	3	4	2	8	13	9	1	4	7	4	4	10	9	11	9	10	1														Bewick's Wren		
																																							House Wren
5	1	2	2	5	2																																	Winter Wren	
																																							American Dipper
82	18	10	8	4	6	44	16	11	15	17																												Golden-crowned Kinglet	
54	35	7	18	32	4	24	20	88	4	41	152	2	33	45	34	11	45	24	33	8	12	58	34	8	8	6	9	11	6	3	26					Ruby-crowned Kinglet			
10																																						Western Bluebird	
																																							Townsend's Solitaire
23	10	26	44	12	9	3	11	34	59	26	68	28	11	48	24	34	9	20	15	23	9	20	14														Hermit Thrush		
112	492	400	471	38	88	500	85	58	434	66	183	107	50	76	246	185	413	321	73	360	949	478	85	90													American Robin		
67	10	3	325	7	37	60	45	27	197	118	93	41	42	68	46	179	3	68	44	37	15	23	132	4	2												Varied Thrush		
33	25	45	12	31	25	28	12	15	32	26	48	30	12	18	19	27	27	45	33	78	100	17	24														Wrentit		
2																																						Northern Mockingbird	

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1	6											1	1	1	1		2	1		1												California Thrasher					
	4						21	15			6	1											1				25	1			European Starling						
29		12	35				60	23			2	45		12	5					16	7		15					5	80	92	Cedar Waxwing						
2							2	2			3	5	5	3	1	4	2	2	2		4	2					133	4	1	1	Yellow-rumped Warbler						
	1			1	2														2		6				1						Yellow-rumped (Audubon's) Warbler						
	1																			2	4										Yellow-rumped (Myrtle) Warbler						
1	3		3		1		10		14	7	1	4	30	1		10	5	5	8	1	15	5	1		2		7	1	3	14	Townsend's Warbler						
												1																				Hermit Warbler					
9	6	20		22	8	2	11	23	3	8	37	20	6	10	18	13	15	11	7	17	11	11	3	1	5	3	3	4		1	12	Spotted Towhee					
31	8	26	15	16	2	7	18	34	5	14	39	17	11	14	16	20	20	28	10	13	4	17	19	3		6	5	5	3		5	California Towhee					
8	3	2	3	2	2	1				4	5	2	1	1	2	1	1	9	12	5	10	12	5	1		1			2			Rufous-crowned Sparrow					
1																																	Sage Sparrow				
22	35	28	3	16	25	12	10	35	86	8	5	11	3	7		8	3	22	35	51	9	8	7		2		1	18	2		16	Fox Sparrow					
																				1													Fox Sparrow (eastern form)				
			1				4	11			3		2	2					2	3	2		2	1		1				1		Song Sparrow					
												1																						Lincoln's Sparrow			
26	3	10		14	2	1				8	6				2		3		2	4	3	3		4	6	5	3				24	White-crowned Sparrow					
71	60	20	16	21		1	15	59	6	6	42	43	2	17	14	38	36	14	10	112	10	16	35	12	2	7	13	7		1	11	Golden-crowned Sparrow					
81	120	70	43	46	55	60	45	86	40	141	156	76	62	168	81	194	92	50	32	121	24	130	83	55	11	101	6	9	60	31	12	Dark-eyed (Oregon) Junco					
											1																							Dark-eyed (Slate-colored) Junco			
75	115	3			35																												Red-winged Blackbird				
33			8		5	2					18																							Western Meadowlark			
25	10	300	6				26		15							35																	1	Brewer's Blackbird			
24	34	20		5	30	11	3	10	3	71	19	3	2	5	9	1	13	4	1	1											13		13	Purple Finch			
1		5	1				3	12	1		12					1		4	3					2		2							26	House Finch			
																	5																		Carpodacus sp.		
																																				Red Crossbill	
3																										2		30			6			26	Pine Siskin		
5	3																																		Lesser Goldfinch		
			2																																	American Goldfinch	
																																				House Sparrow	
1543	1444	1374	1269	465	582	1452	656	1180	1272	1264	1878	1054	996	1040	1496	1329	1488	1256	591	1480	1493	1459	892	313	173	297	460	654	573	615	650		Individuals				
74	56	66	45	41	48	52	58	57	42	59	72	72	58	56	64	46	53	53	49	66	51	63	45	27	46	37	38	55	30	37	46		Species				
		1									1												1	1											Additional Forms		
																											1								Hybrids		
74	83	93	95	97	99	101	103	104	104	105	106	109	110	110	111	112	112	113	113	113	113	114	114	114	114	116	116	116	116	116	118	119		Cumulative Species			
15	3	5	4	6	4	6	5	4	6	8	8	7	3	6	5	5	6	5	4	8	5	4	6		2	2	4	2	5	2	3		Observers in the field				
																																			1	2	Minimum number of parties
																																			1	2	Maximum number of parties
24	9	9	4	9	7	6	11	9	15	15	19	9	9	8.5	10.5	11	8	17	10.5	17	10.5	15	18.2		6	4	10	10.5	6	6.75			Party hours on foot				
4	1	1	5	1	2	2	2	1	1	2	1	2.75	5.5	9	2	1	4	0.5	1.75	1.5	2	2.75	4		0.5	3	4	1	0.5	1			Party hours by car				
28	10	10	9	10	9	8	13	10	16	17	20	11.8	14.5	17.5	12.5	12	12	17.5	12.3	18.5	12.5	17.8	22.2		6.5	7	14	11.5	6.5	7.75			Total Party Hours				
18	7	10	7	9	12	6	9	9	14	15	13.8	8	7.5	7	8	7.5	5.25	19.8	6.5	21	10	9	17		4	19	23	7.5	5.5	4			Party miles on foot				
28	16	12	45	35	30	36	36	39	10	13	10	16.5	12.5	25	14	12		1	14	8.5	30	20	12		6	3	12	6	8	18			Party miles by car				
46	23	22	52	44	42	42	45	48	24	28	23.8	24.5	20	32	22	19.5	5.25	20.8	20.5	29.5	40	29	29		10	22	35	13.5	13.5	22			Total Party Miles				
2	2	1	1	2			1		2	3.25	3.75	3	3.5	1.5	2	4	2.75	1	3.25	1.5	2.75	1.5						1.5	1.5		0.5		0.5	Nocturnal Hours			
								3	2	4.8	7	7.5	3.5	2	5	3.5	3.5	2	2.5	7	3.2	1						0.5	0.75		0.25			0.25	Nocturnal Miles		
																																			Starting Time		
																																				Ending Time	