



MARIN COUNTY (SOUTHERN) CHRISTMAS BIRD COUNT - ROCK SPRINGS

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	2006	2007	2008	2009	SPECIES		
4			10		9	1	9	1	1	1	2	3		1	1				4	3	1	6	2			1	2		1	Winter Wren		
111		38	44	30	76	21	45	35	55	30	22	147	5	7		1	21		1		6	5	17	34	32	1	3	33	5	8	90	Marsh Wren
96	20	13	14	11	31	1	20	22	41	3	16	2	7	120	11	5	10		21	6	32	19	6	2	8	26	20	15	24	Golden-crowned Kinglet		
9	2	50	1	9	28	24	3	6	3		1	6		9	3	5				17	11	8	5			9			4	Western Bluebird		
			2							1				2		2	1														Townsend's Solitaire	
8	1	10	47	6	26	4	10	7	14	14	7	25	4	32	25	45	2	2	3	5	7	7	10	1	2	15	1		42	Hermit Thrush		
55	30	5	209	25	223	41	112	83	2	11	12	34	65	15	170	35			9	31	108	141	4		18	60	29	61	33	American Robin		
32	6	11	123	5	63	27	25	8	4	19	9	16	40	220	35	45		15	7	44	14	6	33	2		13	16	5	10	Varied Thrush		
16	15	8	31	32	35	13	11	5	10	3	7	5	1	16	22	8	17		10	10	19	46	9		38	7	5	1	23	Wrentit		
1		2	1	1	2	1		1	1							1															California Thrasher	
6		5	1		4	19	6	13		4		1			8		1				2	2									European Starling	
1																															American Pipit	
12		20	7	85	6	142	38			148	5	9	4		18				15		10	10			20		40			Cedar Waxwing		
										1		2	1									2	8								Yellow-rumped Warbler	
5		2	1	1	16	5																								1	Yellow-rumped (Audubon's) Warbler	
19	2	19		6	5		7	5	6	28	3			4			4		5	3	5	14				14	31	4	41	Townsend's Warbler		
										1		1																		1	Hermit Warbler	
12	8	8	22	3	43	2	4	3	2	2	4	1	5	14	56	42	3		3	12	7	13	6		9	3	2	5	6	Spotted Towhee		
16	1	19	4	1	27	1	8		5	1	3	1	2	8	15	8	5		1	6	5	3	5	2						2	California Towhee	
																															2	NW Savannah Sparrow
2	3	7	39	3	31	4	4		4	3	8	1	8	22	35	12	4	2	3	14	2	10	7			1	2		8	Fox Sparrow		
				2														1			1	2	1	2			1				Song Sparrow	
2					1				1																						White-crowned Sparrow	
5	3	13			1	1	2		1		5	5	10	10	6	10	6			4		3			7		1		3	Golden-crowned Sparrow		
																										92					Dark-eyed Junco	
176	10	144	134	53	543	152	131	153	8	156	54	173	120	210	256	285	35	10	69	161	115	160	64	41	65	208	160	185	169	Dark-eyed (Oregon) Junco		
33			1		6	8	30	55		3	1			32		5			10	28	14	25	1		20	45	14			Western Meadowlark		
6				1																											Brewer's Blackbird	
4		1	7	26	2	1	39	7		13	7	4		3	42	12	2		1			6						1		Purple Finch		
8							1086			11																					Red Crossbill	
82	3	15	30	60	27	484	12		4	7	10			15					1						12					Pine Siskin		
												6																		1	Lesser Goldfinch	
				15																											American Goldfinch	
1324	157	545	1008	659	1670	2316	878	596	265	669	470	603	361	923	976	605	239	45	390	608	633	791	294	78	540	585	408	484	749	Individuals		
52	25	41	41	43	44	44	43	35	39	40	40	39	28	34	38	31	28	8	39	37	41	45	28	16	33	38	29	26	39	Species		
52	53	58	61	63	63	63	64	64	65	66	66	68	68	70	71	73	73	73	74	74	75	75	75	75	75	75	75	76	77	78	Cumulative Species	
8	3	6	7	5	4	4	4	2	3	5	7	3	1	2	2	4	7	1	2	6	2	3	8		2	3	4	4	1	Observers in the field		
																															1	Minimum number of parties
2	1	1	3	2	2	1	2	1	1	2	2	1	1	1	1	1	2	1	1	3	2	2	3		2	1	1	1	1	Maximum number of parties		
20	5	8	17	13	16	9	7	5	5	8	9	6	8	6	6	8.5	9	5	8.5	19	17	9	4		8	9	6.5	7	7.25	Party hours on foot		
2	1	2	2	1	1	1	4	4	3		2	1.5	1	2	3		1		1	1	2	1	0.25		0.25	0.5	2.25	1.5	0.75	Party hours by car		
22	6	10	19	14	17	10	11	9	8	8	11	7.5	9	8	9	8.5	10	5	9.5	20	19	10	4.25		8.25	9.5	8.75	8.5	8	Total Party Hours		
13	5	4	12	7	12	4	6	5	5	5	5	6	6	4	5	7	6.5	3	6	10	9	8	6.5		5	3.5	5	4	6.5	Party miles on foot		
10	4	22	20	16	29	20	26	25	4		6	7	15	25	22		15		22	30	19.5	10	13		7	2	3	2	6	Party miles by car		
23	9	26	32	23	41	24	32	30	9	5	11	13	21	29	27	7	21.5	3	28	40	28.5	18	19.5		12	5.5	8	6	12.5	Total Party Miles		
3		2	1	2	1	1		1		1					1.5		1.5				0.5		2	2				0.25	1.25	Nocturnal Hours		
															2.5		1.5	1			2		3	1				1	10	Nocturnal Miles		
																730	600	545	800	730	730	700	700	800		730	730	700	830	600	Starting Time	
																1630	1630	1715	1300	1700	1630	1630	1700	1330		1630	1700	1600	1700	1515	Ending Time	

CW = species seen during count week but not count day