







MARIN COUNTY (SOUTHERN) CHRISTMAS BIRD COUNT - CORTE MADERA MARSH

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		
		4												2																		2	Purple Finch	
121	136	101	88	30	115	51	126	100	71	182	95	126	53	203	157	9	173	10	75	9	54		104	31	151	62	148	78	97	32	55	House Finch		
	12	112			4	20	24	75																	160								Pine Siskin	
19		18			1		4					6							3			10		23				75		30	2	Lesser Goldfinch		
	1	1	1	2						3			20	2				8		4			8									60	American Goldfinch	
39						2				25		3		5	2			6	4			2	4		28	36	18	18	25	12	10	House Sparrow		
15593	8681	7904	5087	8507	17697	6005	12251	4931	4799	5308	22815	7156	9070	7482	10363	10142	8639	8105	4067	16469	8314	4598	8167	3587	4255	4331	6672	11621	4126	5363	5059	Individuals		
102	99	94	90	91	85	99	92	86	77	85	77	80	65	97	78	86	87	90	93	81	77	78	76	79	84	80	80	82	85	82	86	Species		
1				1	1	1	1					1		1	1		1									1							Additional Forms	
												1						1															Hybrids	
																																	Intergrades	
102	117	126	131	134	137	141	142	143	145	146	147	147	149	151	152	156	160	163	164	165	165	165	165	165	165	168	168	168	170	171	171	Cumulative Species		
13	17	7	8	10	10	8	15	6	6	13	11	7	7	8	5	6	6	7	9	6	6	4	6		6	5	6	8	5	7	8	Observers in the field		
																																	2	Minimum number of parties
3	1	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	1	1	2	1	1	1	2		2	2	3	2	2	3	2	Maximum number of parties		
28	8	15	8	16	15	16	22	17	9	21	15	16	9	12.5	9	8	9.5	8	9.5	9	8	7	16		8.5	8.5	8	15	8	17	8.25	Party hours on foot		
2	2				1			1	1		1	1		1		1	0.5	0.5	0.5	0.5	1	1			0.5	0.5		2	0.5	0.5	0.75	Party hours by car		
30	10	15	8	16	16	16	22	18	10	21	16	17	9	13.5	9	8	10.5	8.5	10	9.5	8.5	8	17		9	9	8	17	8.5	17.5	9	Total Party Hours		
14	16	10	5	2	6	7	10	3	5	6	4	7	8	7.25	6	8	9	3	2.5	3	2.5	2	8		3	5		10	10	10	6	Party miles on foot		
12	14				9		1	4	6		12	5	4	12.5	14		6	8	10	10	11	5	8		8	7.5		3		3	8	Party miles by car		
26	30	10	5	2	15	7	11	7	11	6	16	12	12	19.75	20	8	15	11	12.5	13	13.5	7	16		11	12.5		13	10	13	14	Total Party Miles		
2	1	2												1																			Nocturnal Hours	
														1																				Nocturnal Miles
														600	700	645	600	715	645	645	715	800	700		700	700	730	600	630	600	615	Starting Time		
														1630	1700	1600	1633	1715	1645		1645	1600	1600		1630	1630	1700	1600	1630	1700	1630	Ending Time		

CW = species seen during count week but not count day