

MARIN COUNTY (SOUTHERN) CHRISTMAS BIRD COUNT - OFF-SHORE

1978	1979	1980	1981	1982	1983	1984	1985	1987	1989	1990	1991	1992	1993	1996	1997	1998	1999	2000	2003	2004	2006	2007	2008	2009	SPECIES				
				5								3		1		3									Brant (nigricans)				
22																				67					Canada Goose				
																									Tundra (Whistling) Swan				
					2																1				Gadwall				
																					5				American Wigeon				
87	124			67											15	20				10					Mallard				
																					43	88	125		Northern Pintail				
																					6	87			Canvasback				
		21		10						2							5	74				186	2		Greater Scaup				
																									Lesser Scaup				
30	67	138	10	3520	58	147	24	21	26	32	4	253	296	5						1111					scaup sp.				
4	2	12	2	6	1			3						67	2031	11	9	564	158	161	493	329	2393		Surf Scoter				
																									White-winged Scoter				
		1																							Black Scoter				
																									scoter sp.				
																									Long-tailed Duck				
1																3		306	118			2	1		Bufflehead				
					54													16	24			1			Common Goldeneye				
																		1	2						Barrow's Goldeneye				
																									Common Merganser				
1				1	1																				Red-breasted Merganser				
																									22	Ruddy Duck			
46	44	40	16	704	2496	1	9	187	156	10		19	8	35	12	4	5	27			17	28	16	59	Red-throated Loon				
9	116	223	47	6317	166	1	7	9	2065	92	1	18	17	17	8			19	23	1		2	11	17	5	Pacific Loon			
5	12	2	2	1		3	4	2	4	5		1	4	2	6	4				8	1	13	1	2	2	Common Loon			
																										loon sp.			
1	1	3	3	1	1					2																Horned Grebe			
																										Red-necked Grebe			
																										Eared Grebe			
310	197	153	170	4795	2639	150	1025	428	765	440	116	465	258	250	229	581	876	51	1587	9	898	1066	321	254	Western Grebe				
																										Clark's Grebe			
																										Aechmophorus sp.			
2	1	3				1					2	CW								1					Northern Fulmar				
																										Sooty Shearwater			
																										shearwater sp.			
1	1		19	35	6				10	9	24	7	18	1	61	29				12	1	13	115	8	31	21	Brown Pelican		
155	612	415	607	994	75	33	89	5	40	23	1	33	21	156	54	56	25	81	6			53	21	22	31	Brandt's Cormorant			
																					3	7	6043	130	10	24	4	7	Double-crested Cormorant
5	71	21	8	42	12	1	23		37	4	10	8	9	5	34		10	6	1			11	6	23	33	Pelagic Cormorant			
																										cormorant sp.			
																					2					Great Blue Heron			
																					3					Great Egret			
																					1					Snowy Egret			
																						5	5		2	2	Turkey Vulture		
																						2	1				Red-tailed Hawk		
																											Peregrine Falcon		
		2	3																							American Coot			
24																										Killdeer			
						4	3	2		3	3			1							2	2	3	1	4	11	Black Oystercatcher		
		1			1						1	1	2										1	1		Spotted Sandpiper			
						1																	2		1	2	Wandering Tattler		
		2	24	6		3			15						4						22	2	1	1	6	Willet			
																										8	Marbled Godwit		
					6	23	3			1					2						3	9			4	Black Turnstone			

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1978	1979	1980	1981	1982	1983	1984	1985	1987	1989	1990	1991	1992	1993	1996	1997	1998	1999	2000	2003	2004	2006	2007	2008	2009	SPECIES	
		31	3	200	23		7	4	21	24	8	17									1	4			Surfbird	
																					15				Sanderling	
		4									3	CW													Dunlin	
																										Red Phalarope
1	1	2																							Black-legged Kittiwake	
	13	28	2	7		1																			Bonaparte's Gull	
1	2		1	2	1		1		2				28	2	2	2		1				5	4		Heermann's Gull	
210	68	120	11	2015	16	8	23	42	230	99	31	101	90	218	4	10	1	45	15		23	43	30	29	Mew Gull	
		2		2502		2		6	7	2	1	56		3	1	10	4	2	45		3	1			Ring-billed Gull	
124	449	396	109	2096	295	105	317	170	392	138	26	305	176	173	131	80	399	78	786	92	160	165	70	72	Western Gull	
25	17	11	1	2508	7	5	4	20	68	23	2	120	110	78	31	20	25	17	3		36	32	34	34	California Gull	
39	52	24	3	2002	104	1		2	4	8		2	5	3	8		4	3			10	5	3	9	18	Herring Gull
								2	2			1										2	2	4	3	Thayer's Gull
33	173	103	20	3524	181	123	125	68	187	54	8	94	79	93	99	15	12			4		87	28	22	11	Glaucous-winged Gull
								3				1	1	1								2	1	1	2	Glaucous-winged Gull X Western Gull
	200				450	321	1265	140	250	175	65	345	130	650	225	37	65				250	212	60		gull sp.	
									1																	Arctic Tern
22	2	4		20		10		7	33	3		1	2		1		8	7	8	6	18	6			Forster's Tern	
		1																				1				Pomarine Jaeger
																							1			Parasitic Jaeger
1916	71	10	3	26	28		4	24	13	200	3	24	8		3		4	2			12	5	2		Common Murre	
															1											Long-billed Murrelet
71	31	47	17	14	9	8	6		26	35		22	10		72	1	19	6			18		4		Marbled Murrelet	
8	3	3	5	9	4	4	11		4	7												4				Ancient Murrelet
			2	10	10		5		18	32		5	5		21			2				2				murrelet sp.
1		1											1													Rhinoceros Auklet
	17					3		5																		alcid sp.
																				6		2				Rock Pigeon
																1						1	1			Anna's Hummingbird
																							1			Belted Kingfisher
																							1			Black Phoebe
																						2				American Crow
															2		5				1	5	8			Common Raven
																						50				American Robin
																						35				Cedar Waxwing
3154	2355	2046	1075	31702	6629	991	3309	4501	5069	1970	343	2060	3865	2718	1857	2865	3805	1904	9504	1983	2196	2651	1734	3054	Individuals	
28	29	30	24	32	28	21	18	22	26	28	17	23	22	19	29	15	21	19	23	35	41	36	27	22	Species	
								1					1	1	1							1	1	1	1	Hybrids
28	34	40	41	45	48	48	48	50	51	53	53	53	53	54	57	57	57	57	60	71	75	78	79	79	Cumulative Species	
5	2	9	6		5	2	4	4	3	4	3	2	3	1	3	4	3	3	3	3	4	4	4	2	3	Observers in the field
																								1	1	Minimum number of parties
1	1	1	1		1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Maximum number of parties
					4								5													Party hours on foot
5	4	6	3	6	5	4	4	6	7	8.5	1	5.5	6		4.25	1.25	4	5	5	4	8.5	7.5	6.5	5.5	Party hours by car	
5	4	6	3	6	9	4	4	6	7	8.5	1	5.5	6	5	4.25	1.25	4	5	5	4	8.5	7.5	6.5	5.5	Party hours by boat	
																										Total Party Hours
					20																					Party miles by car
15	23	19	19	40	20	20	30	30	44	46	6	35	40		30	12	18	20	20	20	46	46	35	19	Party miles by boat	
15	23	19	19	40	40	20	30	30	44	46	6	35	40		30	12	18	20	20	20	46	46	35	19	Total Party Miles	
																										Starting Time
																										Ending Time
																										CW = species seen during count week but not count day