

**2008 MARIN COUNTY (SOUTHERN) CHRISTMAS BIRD COUNT**

Alpn	AudC	Bay	Blns	BonT	CMMr	Crnk	Frfx	Lksp	MVly	MVMr	MBch	MWds	Off	Phnx	RkSp	SRaf	Saus	Stin	Strw	Tenn	TLnd	Tib	Fdr	TOTAL	Areas	SPECIES
			114		137			239		49					2	15	10		47	12	21	2		646	10	Canada Goose
																								2	1	Wood Duck
			37		25			19								17					5	10		113	6	Gadwall
			2	2																				4	2	Eurasian Wigeon
18	4		2472	140	144	65		20		1	28					165	30		34	3	4	36		3142	13	American Wigeon
			228	31	68	5	2	128	15	20				10		219	32		33	20	297	4		1134	17	Mallard
																					8			8	1	Cinnamon Teal
			12		50					2						47					2			113	5	Northern Shoveler
			592		13	35				16	85		125						8			10		884	8	Northern Pintail
			1290		220			6		6											2			1524	5	American Green-winged Teal
					220			82								91			31		28	6		458	6	Canvasback
																					3			3	1	Redhead
			3	15		8								6		1					3		5	41	7	Ring-necked Duck
			21	1	633	4				1			2			317			132		1	46		1158	10	Greater Scaup
				2		19		225		408						325			174		1	59		1213	8	Lesser Scaup
		70														43	73		112		6	1016		1320	6	scaup sp.
		3	15			335					12		329		1	2	34		1			2		734	10	Surf Scoter
													1											1	1	Long-tailed Duck
		35	168	10	135	13		83		35	1		1			443	68		681	1	10	282		1966	15	Bufflehead
			17		2	20		77		4						33	8		25		2	27		215	10	Common Goldeneye
																								1	1	Barrow's Goldeneye
2				5				9					1		1	5		CW			2	3		26	7	Hooded Merganser
				2				1													1	1		7	5	Common Merganser
			13								1								1		1	2		18	5	Red-breasted Merganser
			140	30	577	1		3		2						1200	18		35		9	1454		3469	11	Ruddy Duck
2	58		152	3		35	2		1		78		8					63			32		32	466	12	California Quail
				20			24														17			61	3	Wild Turkey
			10			25					170		16					128			128		1	478	7	Red-throated Loon
		1	1	1							19		17				1	5				1		46	8	Pacific Loon
1		2	1	1									2				1	3	1		3	1		16	10	Common Loon
													136											136	1	loon sp.
2			1	7		2		2					7		7	1					2	6		37	10	Pied-billed Grebe
			5		4											5	4		56			13		87	6	Horned Grebe
		13	6	1				1								5	2	1	7			5		41	9	Eared Grebe
1		70	21		79	194		1		4	28		321		18	80	31	32		6	1	294		1181	16	Western Grebe
		10	1		7					2	1		23		17		12	9		2	1	176		261	12	Clark's Grebe
		529				700					34		429		8	23	99	92				156		2070	9	Aechmophorus sp.
		20	13		1	10					16		31		5	3	9	4		4		20		136	12	Brown Pelican
			45		18						38		22					10			4			137	6	Brandt's Cormorant
3	44	1570	80	32	76	23	59	9	3	11	5	21	4	42		42	89	15	279	2	6	112		2527	22	Double-crested Cormorant
		50	1		6						25		23				8	4				2		119	8	Pelagic Cormorant
													5											5	1	cormorant sp.
		1	12	1	3	1				4	2					4			6		4	5		43	11	Great Blue Heron (Blue form)
	1		22	2	9	2		4	1	5						8	3		5		5	6		73	13	Great Egret
1				5	40	2		32		20				1		15	23		19		1	12	10	181	13	Snowy Egret
								2																3	2	Green Heron
1	11		90	23	30	9	15	13	6	4	10	10	2	1	1	38	12	29	16	10	10	24	8	373	23	Turkey Vulture
1			4	2	3														2			3		15	6	Osprey
			3		3		1	13		1		1				4		1	1		1			29	10	White-tailed Kite
				1																				1	1	Bald Eagle
				1																				1	1	immature(s)
			4	1	3	2												1			1			12	6	Northern Harrier
			4		3	1										4		2	1	1				16	7	Sharp-shinned Hawk
			1	1	1	1			1	3						3		2		2		1		16	10	Cooper's Hawk

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	2		14	6		1	1	1	2	1	5	4		2		4		4	3	1	2		2	55	17	Red-shouldered Hawk
2	6		12	3	2	10	5	2	3	1	8	6				9		9	4	3	5	1	2	93	19	Red-tailed Hawk
	3		9	2	1	4	3				2	5		1	1	3		2	2	6	4	3		51	16	American Kestrel
			3			1						1		1		2		1						9	6	Merlin
			4			1				1						2				1				9	5	Peregrine Falcon
	1				1			2								1					1			5	4	Clapper Rail
						1										1					2			5	4	Virginia Rail
																1					1			2	2	Sora
			9	6	200	12		62		65				11		84	17		106		19	203		794	12	American Coot
			6		103											49			1					159	4	Black-bellied Plover
			7		1												1							9	3	Semipalmated Plover
	6		20		21	9	4	10		4						3	7	11	13		4	6		118	13	Killdeer
			1								10		4			3		5	2					25	6	Black Oystercatcher
					50			42		9						24	1		3		6			135	7	Black-necked Stilt
			1549		354			2		21						21	13		2		45			2007	8	American Avocet
			2	1	1			1		1						7			10		1	4		28	9	Spotted Sandpiper
													1											1	1	Wandering Tattler
			13		7			6		5						4	1		1		5	8		50	9	Greater Yellowlegs
			86		320			101		80			1			49	17	6	67		1	31		759	11	Willet
			12		24					3								4	4			3		50	6	Long-billed Curlew
			51		104			1										5	10			8		179	6	Marbled Godwit
			8								3					37		3	7					58	5	Black Turnstone
													4											4	1	Surfbird
			198			1												1				61		261	4	Sanderling
																	27							27	1	Western Sandpiper
			379		60			10								317			98		2	10		876	7	Least Sandpiper
					76											43			1					120	3	Dunlin
			20		285																14			319	3	dowitcher sp.
			1			6		1								2			3		1			14	6	Wilson's Snipe
					1																			1	1	Bonaparte's Gull
		153	55	2	32	36		59		2	40		70			41	87	21	69	5	1	43		716	16	Western Gull
			2		1						1							1						5	4	Heermann's Gull
			57		7		1			510	12		30	2			14	1	105			24		763	11	Mew Gull
	1		35		150	1	4	192		2				11		51	8	11	27		370	56		919	14	Ring-billed Gull
	2		292		23	8	21	5			7		34			36	35	2	78			205		748	13	California Gull
			4			3	7				1		9				6	1				1		32	8	Herring Gull
			1		2	1				1			3			1	2							11	7	Thayer's Gull
			30		1	26					26		22			3		33	4	2		4		151	10	Glaucous-winged Gull
			2								1		1					5	1					10	5	Glaucous-winged Gull X Western Gull
			200		25						107		60	3		2	59	3	320		6			785	10	gull sp.
			1													1								2	2	Forster's Tern
			3								1		2					2						8	4	Common Murre
			2								2		4					6						14	4	Marbled Murrelet
			1																					1	1	Ancient Murrelet
					75		29	106	14	35	4			1		82	187		130		15	59		737	12	Rock Pigeon
125	44					133		100						72	82	20		57		26		20	70	749	11	Band-tailed Pigeon
			145	380	30		1	47	9		14	1				101		1	6	5	43	6	50	839	15	Mourning Dove
			1				1														1			3	3	Barn Owl
				9			1									6						4		20	4	Western Screech-Owl
	1		5	4			2				3	3			2	3		5		6	1	3		38	12	Great Horned Owl
												1												1	1	Spotted Owl
																		1						1	1	Barred Owl
										1	3										4			8	3	Northern Saw-whet Owl
												1												1	1	Vaux's Swift
									1	3	11		2								16			33	5	White-throated Swift

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3	14		108	11	16	18	10	32	28	5	27	15		6		71	6	64	38	10	8	33	12	535	21	Anna's Hummingbird	
	2		6	1												1	1		1					12	6	Belted Kingfisher	
6			11	14				11				2		14	37	14					5		4	118	10	Acorn Woodpecker	
1			3	4				2			1	1				2		2			1		1	18	10	Red-breasted Sapsucker	
	1		8	2	1	1	5	7				1		12	1	5			2	2	1	3	2	2	54	16	Nuttall's Woodpecker
	1		8	2	1		3		1		8			1	1	1	1		1	1	4	2	1	2	38	16	Downy Woodpecker
2	5		9	4			1				5	5		1	1			5			5		1	2	44	12	Hairy Woodpecker
5	3		21	29			5	4			9	4		16	18	5		5			8	3	3	3	141	16	Northern Flicker
						2	2	2	8			1				10		2	3			1			31	9	Northern (Red-shafted) Flicker
1				3			2					1		1									2		10	6	Pileated Woodpecker
	5		37	4	15	10	14	14	1	5	17	1		3		21	9	16	13	5	9	7	2	208	20	Black Phoebe	
			24		1	2	2	1		2						4			1	1	1				39	10	Say's Phoebe
			1																						1	1	Loggerhead Shrike
	2		4								3			1	2	2		2			1				17	8	Hutton's Vireo
7	53		14	11		2	8		5	2	10	26		5	8	2	2	25			6	4	2	9	201	19	Steller's Jay
7	43		150	24	20	21	35	18	19	5	22	25		25	5	39	7	62	27	22	12	47	12	647	22	Western Scrub-Jay	
12	8		229	111	84	3	202	150	108	74	54	20		63		92	64	76	77	5	135	60	117	1744	21	American Crow	
4	5		17	3	25	33	11	19	10	1	24	11		4	9	9	7	10	13	15	2	14	9	255	22	Common Raven	
																1									1	1	Tree Swallow
18	28		134	16	2	15	49	17	26	10	38	9		9	11	76	11	35	7	32	8	12	21	584	22	Chestnut-backed Chickadee	
				14	4		15	4	2					16		13	6		1		3	1	4	83	12	Oak Titmouse	
	40		95	52	100	10	20								4	94	36	103	52	38		20	18	708	15	Bushtit	
			1		2	5		3		6	1			9	1		2						1	31	10	Red-breasted Nuthatch	
1				1			1							4							3		2	12	6	White-breasted Nuthatch	
			53	7		1		10	3		52	30						14	14	8			4	196	11	Pygmy Nuthatch	
3			6	7			4			2	7			3	7	1		3	3	1		1			48	13	Brown Creeper
															1										1	1	Rock Wren
2	4		18	3		5	3		3		14			10		11	1	17	3	19	1	1	3	118	17	Bewick's Wren	
											1														1	1	House Wren
	2		5	2			2				5	2						1			3		1		23	9	Winter Wren
	1		7		1	3					1					11					5	1			30	8	Marsh Wren
	2		3	6							3					8									34	6	Golden-crowned Kinglet
3	34		197	15	6	12	20	8	6	3	36	9		11	15	56	3	47	14	26	3	9	1	534	22	Ruby-crowned Kinglet	
																2									2	1	Blue-gray Gnatcatcher
			25	21		8	16	13		6		5		3		15		8	18		10		4	152	13	Western Bluebird	
2	7		52	11	5	7	23	7	19		22	2		5		21	3	44	8	16	1	4	3	262	20	Hermit Thrush	
219	111		760	1140	50	261	519	86	122	41	182	427		144	61	738	6	158	401	180	69	216	91	5982	22	American Robin	
29	28		28	42			14				7	27		15	5	16		5		8	2	5	2	233	15	Varied Thrush	
2	14		26	5		24	5		3		48	5			1	1		25		40				199	13	Wrentit	
	1		3			1	3	1	1	1	1			1		9		2	4	1	3	1	2	34	15	Northern Mockingbird	
	4		265	19	40	98	112	12	154					5		196	12	62	67	25	1	54		1126	16	European Starling	
										52						5									57	2	American Pipit
92			295	68		18	126	41	100		90	18		14		380		20	36	65	18	174	37	1592	17	Cedar Waxwing	
			2								1														4	3	Orange-crowned Warbler
			1																						1	1	Nashville Warbler
	10		107	10	40		11	38	5		24			12		116	18		103		3	24		521	14	Yellow-rumped Warbler	
			5		30	1			5					2		84		39	37	22		1		226	10	Yellow-rumped (Audubon's) Warbler	
			7											1		3		42	1	1				55	6	Yellow-rumped (Myrtle) Warbler	
3	42		68	1	5		1	6			4	3		3	4	2		10	1	1		1		155	16	Townsend's Warbler	
												2													2	1	Hermit Warbler
	1				1	1										6			1	1					11	6	Common Yellowthroat
1	26		40	7	1	12	11	5	3	2	18	3		15	5	12		23	2	28		6	6	226	20	Spotted Towhee	
	4		103	11	8	16	16	18	7	6	21	8		25		26	2	18	18	11	8	7	26	359	20	California Towhee	
				3			1																		4	2	Rufous-crowned Sparrow
							1																		1	1	Chipping Sparrow

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			3			3	6	2				2				12			CW	17	2			47	8	Savannah Sparrow
			101	2		9	9	2	2		20	16		8		3	1	39	1		1	3	8	225	16	Fox Sparrow
1	14		90	2	45	14	1	29	2	10	47	16		10		46	1	30	6	42	12	2	1	421	21	Song Sparrow
			5	1												9		3		3				21	5	Lincoln's Sparrow
			1													2								3	2	Swamp Sparrow
			3					1	1		1					1				1				8	6	White-throated Sparrow
	2		259	29	120	172	11	80	7	80	110	4		13		171	29	66	80	39	82	33	14	1401	20	White-crowned Sparrow
1	79		495	59	33	56	64	50	19	55	59	49		35		85	9	135	26	50	18	57	52	1486	21	Golden-crowned Sparrow
31	32		526	75	50	6	113	52	33	2	42	133		53	185	127	15	19	110	18	41	26	76	1765	22	Dark-eyed (Oregon) Junco
			1																				4	5	2	Dark-eyed (Slate-colored) Junco
			217	3		29	115			15	2					33		7		1	24			446	10	Red-winged Blackbird
			134		11	25	31	3		2	1					3		1	8	33		13		265	12	Western Meadowlark
			209	2	162	41	20									18		48	3	6	15	20		544	11	Brewer's Blackbird
			17			1																		18	2	Brown-headed Cowbird
	25																							25	1	blackbird sp.
	3		61	16		42	3		7		8			10				17		2	6		3	178	12	Purple Finch
	2		45	23	32	21	33	70	20	20	29			29		153	14	64	74	7	10	31	50	727	19	House Finch
			2																					2	1	Red Crossbill
	51		469	22		4			1		102	65		45				78	13	1	9		27	887	13	Pine Siskin
			4	6	30		4	37	1		12			23		20			1		72		30	240	12	Lesser Goldfinch
			1		1	25	30	1	9					1		42			1	14	4	22		151	12	American Goldfinch
	4		87		12	1	4							1		5	3	9					5	131	10	House Sparrow
615	894	2530	14524	2679	5363	2694	2042	2518	886	1756	2027	1017	1734	863	484	7017	1249	2127	4211	1174	1615	5479	835	66333		Individuals
37	51	15	130	84	82	79	73	75	45	62	80	47	27	60	26	114	62	87	90	76	89	91	45	174		Species
			2											1		1		1	1	1			1	2		Additional Forms
			1								1		1					1	1					1		Hybrids
2	2	3	10	8	7	3	6	5	6	5	6	2	2	3	4	7	4	7	4	1	8	8		113	23	Observers in the field
								1															7	8	2	Observers at feeders
1	1	1	5	1	2	1	1	2	1	1	2	1	1	1	1	3	1	3	1	1	2	1		35	23	Minimum number of parties
1	1	2	5	1	3	1	2	2	1	1	2	1	1	1	1	3	1	3	1	1	4	3		42	23	Maximum number of parties
6.75	8	3	34.75	9	17	8.5	10.8	11	5	6	14.8	9		7	7	25.5	7.25	22	8.5		20	15		255.75	21	Party hours on foot
1	0.75		1.75	1	0.5	0.75	1.5	5	1	1	1.25	1		1	1.5	1.5	0.75	0.5	1		2	0.5		25.25	20	Party hours by car
		2.5											6.5											9	2	Party hours by boat
																					10			10	1	Party hours by bicycle
7.75	8.75	5.5	36.5	10	17.5	9.25	12.3	16	6	7	16	10	6.5	8	8.5	27	8	22.5	9.5		22	15.5		300		Total Party Hours
4	6		23	6	10	8	8	6	2	6.5	7	6		6	4	13	2.5	6	5.25		20	3		152.25	20	Party miles on foot
18	2		2.5	2	3	4	10	37	5	6	18	8		5	2	49	12	15	20		35	8		261.5	20	Party miles by car
		4											35											39	2	Party miles by boat
			16.5																		14			30.5	2	Party miles by bicycle
22	8	4	42	8	13	12	18	43	7	12.5	25	14	35	11	6	62	14.5	21	25.3	14	55	11		483.25		Total Party Miles
								1															38	40	3	Feeder Hours
	0.5			2	1	3.25				3.25	3.75					3		1		3		1.5		22.25	10	Nocturnal Hours
	0.25			1	2	6.75				12	5					21.5				5		4		57.5	9	Nocturnal Miles
730	615	930	730	430	600	715	430	800	900	930	400	400	800	730	830	400	800	630	700	430	730	530		400	23	Starting Time
1530	1630	1600	1630	1700	1700	1630	1715	1600	1600	1645	1915	1745	1430	1630	1700	1645	1600	1500	1645	1730	1630	1630		1915	23	Ending Time

CW = species seen during count week but not count day