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Western Regional News

Western Bird Banding Association

Founded 1925

ANNUAL REPORT

A summary of banding reported from the WBBA area for 1990 with USFWS/CWS bands.

Compiled by the Coyote Creek Riparian Station, P.O. Box 1027, Alviso, CA 95002. Upon request we can supply a list of all banders for a species.

Codes in the HIGH BANDERS column refer to the list of individual or institutional banders. Numbers in () are individual totals. Where no numbers are included, that individual banded the total for that species.

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
PIED-BILLED GREBE						2			2	S26
HORNED GREBE		8				1			9	C16(8),F3(1)
EARED GREBE					1	1			2	F3/R9(1)
WESTERN GREBE						41			41	F3
BLACK-FOOTED ALBATROSS								530	530	H14
LAYSAN ALBATROSS			81			1		1131	1213	H14(1131),A3(81),F3(1)
BONIN PETREL								9	9	H14
BULWER'S PETREL								6	6	H14
WEDGE-TAILED SHEARWATER								1374	1374	H14
CHRISTMAS SHEARWATER								14	14	H14
NEWELL'S PETREL								5	5	H14
HAWAIIAN PETREL								7	7	H10
FORK-TAILED STORM-PETREL	277					1			278	A10(277),P11(1)
LEACH'S STORM-PETREL						417			417	P16(377),P11(31),D10(9)
ASHY STORM-PETREL						289			289	P11(207),D10(82)
RED-TAILED TROPICBIRD								828	828	H14
MASKED BOOBY								131	131	H14
RED-FOOTED BOOBY								282	282	H14
BROWN BOOBY								471	471	H14
AMERICAN WHITE PELICAN				50	100				150	R9(100),S22(50)
BROWN PELICAN						7			7	F3
DOUBLE-CRESTED CORMORANT		1			5	1			7	R9(5),F3(1)
BRANDT'S CORMORANT						93			93	P11
GREAT FRIGATEBIRD								291	291	H14
LEAST BITTERN						1			1	V3
GREAT BLUE HERON					1	39			40	B16(22),H13(17),R9(1)
GREAT EGRET						96			96	H13(95),F3(1)
SNOWY EGRET					30	181			211	H13(181),R9(30)
CATTLE EGRET						19			19	H13
GREEN-BACKED HERON						2			2	H13
BLACK-CROWNED NIGHT-HERON			2		11	79			92	S20(72),R9(11),H13(7)
WHITE-FACED IBIS				51	38		1		90	S22(50),R9(38),S3/S25(1)
WHISTLING SWAN	9								9	Y1(6),I3(3)
TRUMPETER SWAN	4		5	405					414	R5(405),M8(5),TS(4)
GREATER WHITE-FRONTED GOOSE	1491					42			1533	U4(478),K8(348),A8(233)

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
EMPEROR GOOSE	1293								1293	A8
BLACK BRANT	5128								5128	A8
CANADA GOOSE	1412		250	2092	1102	25			4881	A5(1115),V6(1029),I1(977)
WOOD DUCK			3	1		419			423	C23(307),S7(57),S14(41)
AMERICAN GREEN-WINGED TEAL	129	363	8	27	340	4			871	B15(336),C12(331),Y1(129)
AMERICAN BLACK DUCK		1		1059	2				1062	B3(1059),B15(2),C12(1)
MALLARD	7	7449	4122	1313	3165	8104			24160	C12(7025),B15(2911),C23(2822)
MALLARD/BLACK DUCK		1							1	C12
HAWAIIAN DUCK								2	2	H14
NORTHERN PINTAIL	342	1739	3	232	1736	278			4330	C12(1737),B15(1713),Y1(388)
MALLARD/NORTHERN PINTAIL		1							1	C12
BLUE-WINGED TEAL		2438	3	696	490	1			3628	C12(2437),B15(490),M14(412)
CINNAMON TEAL		12	4	8	41	378			443	C23(281),S14(93),F1(30)
NORTHERN SHOVELER		2		57	29	2			90	M14(57),F1(18),U6(9)
GADWALL		46		52	207	159			464	C23(138),U6(93),B15(62)
AMERICAN WIGEON		56		80	11	4			151	M14(79),C16(33),C12(23)
CANVASBACK		30		112	24	109			275	M15(111),D10(108),C12(30)
REDHEAD		266	6	99	690	72			1133	C16(473),C12(266),B15(177)
RING-NECKED DUCK		1			1				2	C16(1),B15(1)
GREATER SCAUP		12				4			16	C16(12),D10(4)
LESSER SCAUP		18	1	5	3	97			124	D10(83),C16(18),K1(6)
HARLEQUIN DUCK					12				12	W15
BLACK SCOTER						26			26	F3
SURF SCOTER						68			68	F3
BARROW'S GOLDENEYE		1							1	G11
COMMON GOLDENEYE		1			4	1			6	B15(4),C1/C12(1)
BUFFLEHEAD					2	1			3	B15(2),B2(1)
HOODED MERGANSER			1						1	C11
RUDDY DUCK		4			6				10	F1(5),C12(4),B15(1)
OSPREY	20	6		90					116	J5(65),B1(24),H9(20)
BLACK-SHOULDERED KITE						1			1	S11
BALD EAGLE	103	8	3	66	8	5	6		199	S30(99),H6(50),I1(23)
NORTHERN HARRIER	10	9		20		14	1		54	W18(11),S2/S1(10)
SHARP-SHINNED HAWK	28	11	9	1596	2	16	156		1818	H12(1739),S2(27),P11(11)
COOPER'S HAWK		8	3	895	2	46	185		1139	H12(1078),B16(34),D3(6)
NORTHERN GOSHAWK	9	21	2	46		21	3		102	H12(47),B16(12),S2/W6(9)
HARRIS' HAWK							33		33	M1(31),P3/S4(1)
RED-SHOULDERED HAWK						79			79	B16(65),W2(8),S11(3)
BROAD-WINGED HAWK				37			1		38	H12
SWAINSON'S HAWK		111	22	4	78	119	1		335	W6(115),R9(75),J1(47)
RED-TAILED HAWK	6	82	17	112	40	287	13		557	B16(115),H12(101),W6(95)
FERRUGINOUS HAWK		82		79	77	4	45		287	R9(64),A7(53),N10(45)
ROUGH-LEGGED HAWK	139	1				2			142	S2(139),S11(2),A7(1)
GOLDEN EAGLE	2	1		50	144	12	1		210	K3(103),P13(21),H6(20)
AMERICAN KESTREL	189	21	751	885	311	142	13		2312	B10(603),R7(500),B1(335)
MERLIN	60	42	3	4	2	4	1		116	S30(54),P14(34),S2(6)
PEREGRINE FALCON	50	21	44	84	40	106	3		348	B11(141),P3(120),H9(48)
GYRFALCON	51	1		1					53	S2(43),H9(8),H6/P14(1)
PRAIRIE FALCON		115		148	74	84	2		423	A7(110),B13(100),B16(47)
SAGE GROUSE						12			12	G9
CALIFORNIA QUAIL						25			25	G5
BLACK RAIL						1			1	J3
CLAPPER RAIL						38			38	S12(23),S10(15)
SORA						3			3	V3(2),B2(1)
AMERICAN COOT			1		28	6			35	R9(28),B2(4),S10(2)
HAWAIIAN COOT								1	1	H14
SANDHILL CRANE	16		21			28			65	B2(28),M8(19),P15(16)
BLACK-BELLIED PLOVER	6								6	N6
LESSER GOLDEN-PLOVER	7							139	146	P10(139),N6(7)
SNOWY PLOVER			21			268			289	P11(258),N2(21),S9(8)
SEMPALMATED PLOVER		3	1						4	J1(3),P1(1)
KILLDEER		1			17	22	2		42	R9(14),M9(13),B2/V3(4)
MOUNTAIN PLOVER					6				6	R9
BLACK OYSTERCATCHER						3			3	P11(2),F10(1)
BLACK-NECKED STILT						11			11	C17(8),C1(3)
AMERICAN AVOCET						11			11	C1

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
LESSER YELLOWLEGS		1		1					2	J1/T6(1)
SOLITARY SANDPIPER		4							4	J1
SPOTTED SANDPIPER		2			2				4	R9(2),J1/C16(1)
BRISTLE-THIGHED CURLEW	45							66	111	A8
BAR-TAILED GODWIT	4								4	A8
MARbled GODWIT		1							1	J1
RUDDY TURNSTONE	23							1	24	P13(19),A8(4),H14(1)
RED KNOT						3			3	K10
SANDERLING						11			11	K10
SEMPALMATED SANDPIPER	59	82							141	J1(82),N6(58),P15(1)
WESTERN SANDPIPER		5	92			22			119	W14(48),P1(44),L1(17)
LEAST SANDPIPER		61	18			18			97	J1(61),V3(16),W14(15)
BAIRD'S SANDPIPER	1								1	N6
PECTORAL SANDPIPER	42								42	N6
DUNLIN	6					44			50	P11(44),N6(6)
STILT SANDPIPER	7								7	N6
BUFF-BREASTED SANDPIPER	20								20	N6
SHORT-BILLED DOWITCHER		5				1			6	J1(5),K10(1)
LONG-BILLED DOWITCHER	9								9	N6
COMMON SNIE		8			1	1			10	J1(8),D14/P11(1)
RED-NECKED PHALAROPE	1								1	N6
RED PHALAROPE	11								11	N6
BONAPARTE'S GULL						2			2	F3
HEERMANN'S GULL						2			2	F3
MEW GULL	2								2	R8
RING-BILLED GULL			199	598		2			799	G1(598),B10(199),F3/W2(1)
CALIFORNIA GULL			1	1042	20	1668			2731	P11(1617),G1(1002),S26(51)
HERRING GULL						1			1	F3
WESTERN GULL						898			898	P11(897),F3(1)
GLAUCOUS-WINGED GULL	50		142						192	S21(142),A8(50)
BLACK-LEGGED KITTIWAKE	254								254	A8(249),14(5)
RED-LEGGED KITTIWAKE	19								19	A4
SABINE'S GULL	43								43	P15
CASPIAN TERN						63			63	S9(49),C17(14)
ROYAL TERN						2			2	C17
ELEGANT TERN						531			531	C17
FORSTER'S TERN						35			35	C17
LEAST TERN						350			350	C17
GRAY-BACKED TERN								241	241	H14
SOOTY TERN								330	330	H14
BLACK TERN		23							23	S16
BROWN NODDY								329	329	H14
BLACK NODDY								791	791	H14
BLUE-GRAY NODDY								6	6	H14
WHITE TERN								126	126	H14
BLACK SKIMMER						137			137	C17
COMMON MURRE			4			207			211	P11(179),F3(28),P1(3)
PIGEON GUILLEMOT	18					21			39	P11(21),A8(18)
CASSIN'S AUKLET						266			266	P11
RHINOCEROS AUKLET		156	25			35			216	S16(156),P11(35),N4(25)
BAND-TAILED PIGEON						1			1	W2
WHITE-WINGED DOVE							265		265	C2(131),W1(104),C6(14)
MOURNING DOVE			8	95	3	374	1471		1951	W1(849),C2(437),C1(191)
INCA DOVE							127		127	C2(53),B8(31),W1(30)
COMMON GROUND-DOVE						17	3		20	C24(11),M6(6),B8(2)
RUDDY GROUND DOVE							1		1	C3
SPOTTED DOVE						10			10	B16(7),H13(3)
YELLOW-BILLED CUCKOO							4		4	C2(3),H8(1)
GREATER ROADRUNNER						3	2		5	S20/W1(2),C24(1)
BARN OWL		38	6		304	291			639	M2(179),U2(117),B16(71)
FLAMMULATED OWL					14				14	R4
EASTERN SCREECH-OWL					4				4	R9
WESTERN SCREECH-OWL		6	9	58		24	6		103	B13(52),B16(8),L1/S21(6)
GREAT HORNED OWL		193	15	10	64	63	1		346	P14(121),R9(61),U7(55)
SNOWY OWL		2							2	P14

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
NORTHERN HAWK OWL	22	15							37	S2(22),C14(8),U7(4)
NORTHERN PYGMY-OWL		11				1			12	C18(8),C14(3),C1(1)
ELF OWL							1		1	C6
BURROWING OWL		3		75		103			181	T6(51),D7(27),C1(26)
SPOTTED OWL			884			364	14		1262	N9(562),F8(322),D2(175)
BARRED OWL		1							1	C18
GREAT GRAY OWL	1	10		3	2				16	C14(6),S2(3),C18/W15(2)
LONG-EARED OWL		8	5	167	3	7			190	H4(118),G3(27),B13(20)
SHORT-EARED OWL		5		162		3			170	H4(161),A7(51),S11(3)
BOREAL OWL	4	1		16	4				25	S2(16),P18/R9(4),A7(1)
NORTHERN SAW-WHET OWL		60	9	67		2			138	B13(46),C18(34),S2(20)
LESSER NIGHTHAWK						1	6		7	C2(6),C24(1)
COMMON NIGHTHAWK			1						1	K2
COMMON POOR-WILL						5	2		7	C1(3),C2(2),B16/W2(1)
BUFF-COLLARED NIGHTJAR							1		1	W1
AMETHYST THROATED HUMMINGBIRD							2		2	C20
GREEN VIOLET-EAR							50		50	C20
BROAD-BILLED HUMMINGBIRD							9		9	R11(8),C20(1)
WHITE-EARED HUMMINGBIRD							30		30	C20
BERYLLINE HUMMINGBIRD							34		34	C20
BLUE-THROATED HUMMINGBIRD							23		23	R11
MAGNIFICENT HUMMINGBIRD							13		13	C20
LUCIFER HUMMINGBIRD							8		8	R11(7),W19(1)
BLACK-CHINNED HUMMINGBIRD				5		44	1441		1490	R11(429),W19(91),C20(67)
ANNA'S HUMMINGBIRD			1			330	699		1030	R11(429),W19(261),C1(178)
COSTA'S HUMMINGBIRD						11	23		34	R11(13),C24(9),W19(7)
CALLIOPE HUMMINGBIRD				114	81	12	26		233	B8(100),C20(83),J4(14)
BUMBLEBEE HUMMINGBIRD							9		9	C20
BROAD-TAILED HUMMINGBIRD					400		115		515	C20(476),D13(38),R11(1)
RUFIOUS HUMMINGBIRD			7	441	643	89	487		1667	C20(928),J4(337),R11(167)
ALLEN'S HUMMINGBIRD						136	19		155	P11(70),C1(45),T10(19)
BELTED KINGFISHER				3		4	2		9	B8(3),C1(2),H8/R10/S20/W1(1)
LEWIS' WOODPECKER			2	1					3	B10(2),S25(1)
ACORN WOODPECKER			1			84	18		103	K7(80),C6(17),M6/M13/M18/P4/P11V1(1)
GILA WOODPECKER							88		88	C2(33),W1(21),C3(20)
YELLOW-BELLIED SAPSUCKER		8				1	1		10	J1(6),C14(2),C3/P11(1)
RED-NAPED SAPSUCKER				4	18	3	5		30	B8(6),C15/R12(4),C21/K6(3)
RED-BREASTED SAPSUCKER						42			42	I2(23),P11(11),C1(5)
WILLIAMSON'S SAPSUCKER					4				4	C15
LADDER-BACKED WOODPECKER							4		4	C2(2),C6/W1(1)
NUTTALL'S WOODPECKER						7			7	C24(5),C1/I1(1)
DOWNY WOODPECKER	1	17	3	8	19	23			71	C21(14),C1(11),P14(9)
HAIRY WOODPECKER		2			3	7			12	I2(4),P11/R9(3),J1/B18(1)
STRICKLAND'S WOODPECKER							1		1	C6
WHITE-HEADED WOODPECKER						2			2	I2
YELLOW-SHAFTED FLICKER		9				4			13	P14(7),C1/J1(2)
RED-SHAFTED FLICKER			8	11	6	28	13		66	P11(8),C1(5),C6/C21/H2/W2(4)
GILDED FLICKER							13		13	C2(7),W1(5),C3(1)
FLICKER INTERGRADE					7		1		8	K6(7),H8(1)
PILEATED WOODPECKER			29						29	F7
NORTHERN BEARDLESS TYRANULET							3		3	B8(2),C6(1)
OLIVE-SIDED FLYCATCHER			4			15			19	P11(7),R10(5),K2(4)
WESTERN WOOD-PEWEE		5	7	4	21	52	11		100	C21(18),C1/C24(12)
YELLOW-BELLIED FLYCATCHER		2							2	P14/B18(1)
ALDER FLYCATCHER	2	76							78	J1(58),B18(17),W8(2)
TRAILL'S FLYCATCHER		2				4			6	P11(4),P14(2)
WILLOW FLYCATCHER			435	5	10	90	19		559	S18(424),C1(33),B2/C24(15)
LEAST FLYCATCHER		765			5	6			776	J1(493),B18(253),P14(18)
HAMMOND'S FLYCATCHER	1	1		9	1	25	1		38	S20/I2(7),B8(6),V3(4)
DUSKY FLYCATCHER				27	50	99	15		191	I2(68),C21(49),B8(22)
GRAY FLYCATCHER			1	50	4	6	18		79	S25(43),B8(17),C2/C20/C21(3)
WESTERN FLYCATCHER			53	11	21	1085	28		1198	C1(669),P11(333),K2(39)
BLACK PHOEBE			2			151	20		173	C1(127),C2(13),W2(11)

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
EASTERN PHOEBE		11							11	J1(8),B13(3)
SAY'S PHOEBE			4	1		4	8		17	B10/H8(4),C2/P11(2),C1/H7/S20/S25 /W
VERMILION FLYCATCHER							13		13	C2(7),B8(5),W1(1)
ASH-THROATED FLYCATCHER				2		60	35		97	C1(26),C6a(20),W2(19)
BROWN-CRESTED FLYCATCHER				1			16		17	W1(11),C2(4),B8(2)
CASSIN'S KINGBIRD							5		5	B8/C2(2),C6(1)
WESTERN KINGBIRD		6	4	2		3	11		26	J1(6),C2(5),B10/H8(4)
EASTERN KINGBIRD		41				1			42	S16(35),J1(5),P11/P14(1)
HORNED LARK	1				1				2	R9/W15(1)
PURPLE MARTIN		492	34				1		527	P14(425),K9(60),C10(34)
TREE SWALLOW	230	2670	125	195	886	135			4241	S19(1057),C9(876),B18(496)
VIOLET-GREEN SWALLOW	26	178	51	1	41	59			356	S16(177),W2(41),C9(40)
NORTH. ROUGH-WINGED SWALLOW			4			6	26		36	C2(26),K2(4),P11(2)
BANK SWALLOW						107			107	G10(107)
CLIFF SWALLOW		1	1	3	45	359	3		412	F4(326),T3(45),C17(16)
CAVE SWALLOW							733		733	W20
BARN SWALLOW		3	20	4	160	116	1		304	M2(159),P11(94),R10(17)
GRAY JAY		4			48				52	F2(26),L2(19),P9(4)
STELLER'S JAY	17		17	42	26	33	18		153	J4(38),K6(23),M17/W11(17)
BLUE JAY		41		2	8				51	P14(16),B18(13),J1/M5(7)
SCRUB JAY			34	8	25	85	38		190	V4(28),C17(26),M6(23)
GRAY-BREASTED JAY							28		28	S29(19),C6(9)
PINYON JAY				100					100	T6
CLARK'S NUTCRACKER						86			86	D9
BLACK-BILLED MAGPIE	75	24		348	4	2			453	T6(344),H9(60),A7(23)
AMERICAN CROW		14	1		5	41			61	C22(35),P14(12),D1(5)
NORTHWESTERN CROW	3	9							12	S16(9),W10(3)
COMMON RAVEN	1	2	115	4	4	38			164	B10(1115),D1(39),S25(3)
BLACK-CAPPED CHICKADEE	36	553	104	73	98		8		872	U5(193),J1(185),B18(70)
MOUNTAIN CHICKADEE		163	30	130	196	765	4		1288	D8(643),F2(170),P14(134)
BOREAL CHICKADEE	4	10							14	P14(6),P9(3),P15(2)
CHESTNUT-BACKED CHICKADEE	21		56	1		250			328	D8(100),P11(86),R10(33)
BRIDLED TITMOUSE							8		8	C6A(4),C6(3),C2(1)
PLAIN TITMOUSE			4	4		91	1		100	W2(44),C1(14),S8(9)
VERDIN						5	37		42	W1(14),B8(8),C3/C2(6)
COMMON BUSH TIT			68			180	5		253	C1(91),C24(47),V1(35)
RED-BREASTED NUTHATCH	1	19	22	16	4	53			115	P11(36),P14(8),J1/M4/M16/R10/R13/S23
WHITE-BREASTED NUTHATCH		11	19		5	10	9		54	B10(9),M7(7),C6/S21(5)
PYGMY NUTHATCH			2		6				8	R9(6),M16(2)
BROWN CREEPER	1	3	1	2	3	54	1		65	P11(38),I2(8),J1/R10(3)
CACTUS WREN						33	50		83	K10(31),C2(16),W1(15)
ROCK WREN						1	1		2	H7/P11(1)
CANYON WREN						2			2	C24
BEWICK'S WREN		2	33			130	39		204	P11(53),C24/M7(26),K2(20)
HOUSE WREN		151	48	277	232	215	17		940	G6(258),W2(168),F2(148)
WINTER WREN		2	19	1		31			53	P1(15),P11(15),C1(9)
MARSH WREN		11	8			152	1		172	C1(149),J1(11),P1(8)
AMERICAN DIPPER					7	7			14	R13(5),M2(4),R9(3)
GOLDEN-CROWNED KINGLET	3	6	11	6	3	241	4		274	P11(215),C1(17),P1(6)
RUBY-CROWNED KINGLET	2	16	60	30	75	695	107		985	P11(462),C(96),C21(60)
BLUE-GRAY GNATCATCHER						5			5	C24/P11(2),V3(1)
BLACK-TAILED GNATCATCHER						127	5		132	J2A(77),B14(43),S13(6)
CALIFORNIA GNATCATCHER						78			78	K10
ELEPAIO								7	7	F9
NORTHERN WHEATEAR	1								1	P15
EASTERN BLUEBIRD							3		3	C6A
WESTERN BLUEBIRD		127	982	570	3	322	1		2005	C10(370),G1(359),K7(213)
MOUNTAIN BLUEBIRD		6310	173	896	380				7759	M10(2794),S19(1441),J6(890)
TOWNSEND'S SOLITAIRE				1	3	123	1		128	B12(121),C24/K6(2)
OMAO								9	9	F9
VEERY		1			1				2	C21/J1(1)
GRAY-CHEEKED THRUSH		1				1			2	J1/J3(1)
SWAINSON'S THRUSH	3	25	63	10	39	637	2		779	C1(273),P11(149),R10(80)
HERMIT THRUSH	3	3	23	9	23	797	70		928	C1(429),P11(233),C3(34)
AMERICAN ROBIN	8	43	85	57	155	126	47		521	K6(79),C21(42),C1(35)
VARIED THRUSH		4	13			36			53	P11(24),H2(10),C1(6)
RED-BILLED LEIOTHRUX								9	9	F9

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
WRENTIT			7			194			201	P11(139),C24(24),R10(14)
GRAY CATBIRD		3		1	11		1		16	C21(11),J1(2),B8/H8/P14(1)
NORTHERN MOCKINGBIRD						105	31		136	C1(62),C2(11),G8(9)
SAGE THRASHER					1				1	C21
BROWN THRASHER		2			3				5	J1/M5(2),C21(1)
CURVE-BILLED THRASHER							92		92	C2(41),W1(26),C3(11)
CALIFORNIA THRASHER						8			8	C24(3),C1/F4(2),W2(1)
CRISSAL THRASHER						1	7		8	B8(3),S4(2),C2/C4/V6(1)
YELLOW WAGTAIL	3								3	M12(2),W14(1)
AMERICAN PIPIT						3			3	C1(2),P11(1)
BOHEMIAN WAXWING				11	7				18	J7(11),M5(6),K6(1)
CEDAR WAXWING		36	40	84	5	15			180	B8(80),K2(38),J1(16)
PHAINOPEPLA						6	16		22	C2(11),C24(6),W1(4)
NORTHERN SHRIKE	18	6			1		2		27	S2(17),C14(4),C2/P14(2)
LOGGERHEAD SHRIKE		306			1	40			347	C14(306),C1(19),M7(8)
EUROPEAN STARLING			44	8	17	39	9		117	K4(33),C1(31),K2(10)
BELL'S VIREO						271	24		295	K10(206),G2(62),W1(17)
SOLITARY VIREO		5	2	7	2	26	12		54	I2(17),B8(4),B8(4)
HUTTON'S VIREO		1	15			34			50	P11(25),R10/V1(7),K2(6)
WARBLING VIREO		55	67	25	42	300	15		504	P11(117),C24(60),R2(58)
PHILADELPHIA VIREO		6							6	P14(5),B18(5)
RED-EYED VIREO		21		2	3	4			30	J1(11),B18(9),C21(3)
TENNESSEE WARBLER		100				5			105	B18(90),P14(10),P11(4)
ORANGE-CROWNED WARBLER	398	29	245	25	137	811	214		1859	W10(394),I2(216),K2(191)
NASHVILLE WARBLER			17		2	122	4		145	I2(49),C24(28),V3(23)
VIRGINIA'S WARBLER					15	1	10		26	C21(13),H8(9),K6/P11/R12/W1(1)
LUCY'S WARBLER						2	39		41	W1(23),C3(6),B8/C2(5)
NORTHERN PARULA						3			3	C13
YELLOW WARBLER	39	452	77	44	93	575	66		1346	J1(337),C1(299),B18(110)
CHESTNUT-SIDED WARBLER		1							1	B18
MAGNOLIA WARBLER		34				6			40	B18(20),J1(13),P11(6)
CAPE MAY WARBLER		14				1			15	J1(12),B18(2),P11(1)
BLACK-THROATED BLUE WARBLER							2		2	C6/C3(1)
YELLOW-RUMPED WARBLER			7			1			8	P1(7),R10(1)
MYRTLE WARBLER	63	1130	13	7	6	284	4		1507	J1(894),B18(231),R10(148)
AUDUBON'S WARBLER			40	227	56	706	138		1168	C1(298),B8(277),V3(129)
BLACK-THROATED GRAY WARBLER			5			39	8		52	P11(15),C24(12),V3(4)
TOWNSEND'S WARBLER	2		16	5	10	180	1		214	P11(134),J3(22),C24(13)
HERMIT WARBLER						41			41	I2(15),P11(12),J3(9)
BLACK-TH. GREEN WARBLER						2			2	P11
BLACKBURNIAN WARBLER						2			2	P11
PRAIRIE WARBLER						2			2	P11
WESTERN PALM WARBLER		27				12			39	J1(26),P11(11),C1/B18(1)
BAY-BREASTED WARBLER		2							2	J1
BLACKPOLL WARBLER	1	72				2			75	J1(40),B18(32),P11(2)
BLACK-AND-WHITE WARBLER		4				3			7	B18(3),J1/P4/R11/R10(1)
AMERICAN REDSTART		24		1	2	8			35	J1(21),P11(7),P14(3)
PROTHONOTARY WARBLER					2				2	C21
OVENBIRD		7			3	9			19	P11(8),B18(4),C21(3)
NORTHERN WATERTHRUSH	2	12		8	1	3	1		27	J1(9),B8(7),P8/B18(2)
KENTUCKY WARBLER						1			1	P11
CONNECTICUT WARBLER						1			1	P11
MOURNING WARBLER		6				1			7	B18(5),J1/P11(1)
MAC GILLIVRAY'S WARBLER			44	33	53	155	68		353	I2(67),H8(41),V1(36)
COMMON YELLOWTHROAT		35	28	10	13	297	54		437	C1(202),C2(37),B2(36)
WILSON'S WARBLER	12	25	78	15	466	837	258		1691	C21(412),P11(221),C24(169)
CANADA WARBLER		7							7	B18(6),P14(1)
AMERICAN REDSTART		45							45	B18
YELLOW-BREASTED CHAT			1	4	9	4	16		34	W1(16),C21(9),B8(3)
SUMMER TANAGER							17		17	C2(12),W1(3),H8/M18(1)
WESTERN TANAGER	1	14	14		47	73	44		193	K6(35),W1(24),P11(20)
JAPANESE WHITE-EYE								20	20	F9
NORTHERN CARDINAL							56		56	W1(20),C2(15),B8/C3(9)
PYRRHULOXIA							46		46	B8(13),C3(12),W1(10)
ROSE-BREASTED GROSBEAK		18				5	1		24	C14(15),P11(4),J1(2)
BLACK-HEADED GROSBEAK		1	14	3	117	78	59		272	K6(99),H8(36),C1(30)
BLUE GROSBEAK					1	2	40		43	H8(31),C2(7),P11(20)

SPECIES	AK	BC/AB/ YU/NW	OR/WA	ID/MT/ NV	WY/CO/ UT	CA	AZ/NM/ MX	HI/PAC. ISLANDS	TOTAL	HIGH BANDERS
LAZULI BUNTING			23	36	208	15	120		402	K6(193),H8(106),J7(18)
INDIGO BUNTING		1			2	2			5	C21/P11(2),J1(1)
LAZULI BUNTING /INDIGO BUNTING							2		2	H8
VARIED BUNTING							1		1	W1
PAINTED BUNTING							1		1	M18
DICKCISSEL						1			1	M6
GREEN-TAILED TOWHEE				44	36	4	74		158	J7(34),W1(26),C2(22)
RUFIOUS-SIDED TOWHEE			26			46			72	S8(39),M4(17),W14(8)
SPOTTED TOWHEE		5	130	17	60	108	27		347	V1(87),P11(47),K6(45)
BROWN TOWHEE						128	51		179	C1(31),C24(25),C2(23)
ABERT'S TOWHEE						16	34		50	W1(50),V3(16),C2(5)
BOTTERI'S SPARROW							1		1	C2
CASSIN'S SPARROW							1		1	W20
RUFIOUS-CROWNED SPARROW						26	19		45	S26(17),C6(10),P11(5)
AMERICAN TREE SPARROW	38	132			72	1			243	J1(89),M5(56),B18(42)
CHIPPING SPARROW		165	5	47	12	30	1388		1647	H8(1159),J1(147),C2/C6(85)
CLAY-COLORED SPARROW		417				13	33		463	J1(295),B18(114),H8(33)
BREWER'S SPARROW				108	1	15	47		171	S25(94),H8(32),B8(14)
BLACK-CHINNED SPARROW						5			5	C24
VESPER SPARROW		6	2	37		3	162		210	C2(152),S25(35),B4(5)
LARK SPARROW		2		1		42	90		135	H8(59),P4(23),C2(19)
BLACK-THROATED SPARROW						10	34		44	W1(9),C2/C3(8),V6(6)
SAGE SPARROW				19		51			70	C24(51),S25(19)
LARK BUNTING							7		7	S4(6),C2(1)
SAVANNAH SPARROW	13	106	12	49		342	34		554	C1(227),J1(97),P11(55)
GRASSHOPPER SPARROW						2			2	P11
LE CONTE'S SPARROW		17							17	J1(16),B18(1)
SHARP-TAILED SPARROW		6				3			9	J1(6),P11(3)
FOX SPARROW	15	17	152	4	9	475	2		674	R10(219),C1(102),P11(96)
SONG SPARROW	2	281	289	62	26	741	76		1477	C1(303),U7(262),R10(140)
LINCOLN'S SPARROW	5	26	28	43	226	408	198		934	C1(138),C21(113),P11(78)
SWAMP SPARROW		11	1			3	3		18	J1(11),H8/P11(2)
WHITE-THROATED SPARROW		56	7	2	4	30	9		108	P14(26),J1(19),P11(17)
GOLDEN-CROWNED SPARROW	13	1	474	1		732	2		1223	V1(326),P11(262),C1(206)
WHITE-CROWNED SPARROW		12	60	4	89	190	24		379	R10(92),R12(69),B14(45)
NUTTALL'S WH.-CR. SPARROW						79			79	P11
MOUNTAIN WH.-CR. SPARROW				6	29	8	79		122	W1(43),C21(28),H8(18)
PUGET SND. WH.-CR. SPARROW		1	105			299			405	C1(202),P11(79),V1(71)
GAMBEL'S WH.-CR. SPARROW	53	7	315	300	57	3189	1502		5423	B7(869),C24(771),C3(465)
HARRIS' SPARROW	2	2		4		1			9	H5/P14/W11(2),G3/J7/S20(1)
DARK-EYED JUNCO		59		5	28		37		129	P9(45),C6(28),M5(26)
SLATE-COLORED JUNCO	268	151	1	2	18	11	21		472	P8(165),P9(76),J1(41)
OREGON JUNCO	153	193	1158	171	277	604	300		2856	V1(454),K6(233),K4(223)
GRAY-HEADED JUNCO					3		122		125	S3(81),S29(33),H7/H8(3)
WHITE-WINGED JUNCO					2				2	C21/D13(1)
YELLOW-EYED JUNCO					52				52	S6
LAPLAND LONGSPUR	245								245	N6(136),W14(89),P15(11)
SNOW BUNTING	130								130	I3(77),P15(53)
BOBOLINK						2			2	P11
RED-WINGED BLACKBIRD		164	581	69	30	244	19		1107	O1(525),C1(193),J1(145)
EASTERN MEADOWLARK							4		4	C2/C6(2)
WESTERN MEADOWLARK		4		1	3	18	10		36	C1(9),H8(7),P11(6)
YELLOW-HEADED BLACKBIRD		12	437	51	7	7			514	O1(437),H5(49),P9/R9(7)
BREWER'S BLACKBIRD		12	51	10		141			214	M6(49),K4(33),C1(29)
GREAT-TAILED GRACKLE						1	3		4	B8(3),V3(1)
COMMON GRACKLE		1		2	17		1		21	T3(15),D13/T4(2),H7/J1(1)
BRONZED COWBIRD							16		16	W1(11),B8/C6(2),C2(1)
BROWN-HEADED COWBIRD		21	44	10	11	187	19		292	H13(110),K2(40),C1(32)
HOODED ORIOLE						13	13		26	S13(8),W1(7),C2(2)
NORTHERN ORIOLE						2			2	R10
BALTIMORE ORIOLE		38				1			39	J1(28),B18(8),P14(2)
BULLOCK'S ORIOLE			9	7	12	90	28		146	P11(19),C1/H8/S20(18),V3(16)
SCOTT'S ORIOLE							83		83	C6
PINE GROSBEAK		29			6	2			37	P14(15),K9(8),P9(5)
PURPLE FINCH		34	142			424			600	P11(148),R10(139),I2(105)

CASSIN'S FINCH	5	67	104	88	6	18		288	H11(56),A11(41),B8/K6/S25(31)
HOUSE FINCH	91	974	42	889	4297	1970	5	8268	M6(2067),C1(1299),K6(785)
RED CROSSBILL		138		1	2			141	W14(138),R10(2),C21(1)
COMMON REDPOLL	1624	376	77					2077	P8(757),W8(541),P14(292)
HOARY REDPOLL	4	10						14	P14(10),W8(4)
GRAY-CROWNED ROSY-FINCH	24			3				27	I3(24),R12(3)
BROWN-CAPPED ROSY-FINCH				2				2	R12
PINE SISKIN	256	360	726	167	1122	75	17	2723	K6(804),K2(199),W10(162)
LESSER GOLDFINCH			6	2	14	127	36	185	C1(42),C24(21),B2(19)
LAWRENCE'S GOLDFINCH						18		18	C24(13),S20(3),I2(2)
AMERICAN GOLDFINCH		74	494	13	47	540	2	1170	C1(248),R10(197),K4(196)
EVENING GROSBEAK		58	108	107		6	7	286	S21(97),B8(75),P9(35)
COMMON AMAKIHI								33	F9
HAWAII CREEPER								13	F9
AKEPA								10	F9
IIWI								94	F9
APAPANE								123	F9
HOUSE SPARROW		9	5	7	6	253	475	755	W1(405),M6(159),E1(73)
NUTMEG MANAKIN								2	F9
	15252	31001	16936	18404	17675	46095	15554	7436	168352

Summary report of individual banders

- 281 responding banders including
- 12 subpermittees and
- 109 reporting no banding/no banding in the WBBA area/no banding with USFWS or CWS bands

Code	Name	Address	Species	Banded
A5	Abbors, Stephen E.	1016 Rudgear Rd., Walnut Creek, CA 94596	1	16
A11	Abbott, Margaret L.	P.O. Box 251, Dubois, WY 82513	15	128
A1	Abeles, Ernest R.	8451 Traminer Ct., San Jose, CA 95135	6	23
A8	Ak. Fish and Wildlife Research Center	1011 E. Tudor Road, Anchorage, AK 99503	11	7381
A6	Alaska Dept Fish & Game, (Bruce Campbell)	333 Raspberry Rd., Anchorage, AK 99518	2	706
A4	Alaska Maritime NWR, Aleutian Islands Unit	P.O. Box 5251 NAS, Adak, AK	2	129
A10	Alaska Maritime NWR	202 W. Pioneer Ave., Homer, AK 99603	1	277
A7	Alberta Fish & Wild Division, (R. R. Andrews Main)	9945 - 108th St., Edmonton, AB T5K 2G6	22	329
A2	Anderson, Jon D.	2102 Walnut Road NW, Olympia, WA 98502	16	132
A9	Anderson, Clifford M.	P.O. Box 248, Bow, WA 98232	4	146
A3	Animal Damage Control/S&T, (J. Gary Oldenburg)	3625 93rd Ave. S.W., Olympia, WA 98502	2	149
B9	Balphy, Martha H.	UMC 52 Utah State University, Logan, UT 84322	2	9
B7	Barrentine, Dr. Carl D.	Cal. State Bakersfield, Bakersfield, CA 93311-1099	1	874
B18	Beaverhill Bird Observatory (Stefan Jungkind)	P. O. Box 4201, Edmonton, AB T6E 4T2	54	1766
B1	Bechard, Dr. M. J.	Dept of Zoology, Boise State Univ., Boise, ID 83725	4	385
B4	Benedict, Dr. Richard	780 E. 38th, Eugene, OR 97405	9	53
B15	Benning, Douglas S.	730 Simms Rm. 292, Golden, CO 80401	15	5738
B3	Benton Lake NWR, (Stephen J. Martin)	P.O. Box 450, Black Eagle, MT 59414	2	1087
B2	Bloom, E. Clark	P.O. Box 1610, Alturas, CA 96101	61	2171

B16	Bloom, Peter H.	13611 Hewes Ave., Santa Ana, CA 92705	17	325
B16a	Anderson, R.	2850 Layton Drive, Davis, CA 95616	4	22
B16b	Austin, K.	P. O. Box 914, Mt. Shasta, CA 96067	1	3
B16c	Chubb, J.	11632 Wallingsford Rd., Los Alamitos, CA	3	6
B16d	Hawks, S.	705 Hall Street, Susanville, CA 96130	3	22
B16e	Henckel, E. & J.	Rt. 1 Box 1380, Mt. Bethel, PA 18343	6	21
B16f	McDermott, M.	9931 Rose St., Bellflower, CA 90706	4	21
B16g	Roush, P.	608 W. 12th St., Alturas, CA 96101	2	28
B16h	Spiegel, L.	P. O. Box 4886, Chico, CA 95927	6	27
B16i	Teresa, S.	3228 Windsor Dr., Sacramento, CA 95864	5	17
B17	Boag, D. A.	University of Alberta, Edmonton, AB T6G 2E9	1	325
B5	Boekelheide, B.	6271 W. Wapato Rd., Wapato, WA 98951	3	300
B14	Bontrager, D. R.	14391 Holt Ave., Santa Ana, CA 92705	8	108
B6	Bowdoin NWR	Box J, Malta, MT 59538	10	793
B12	Bowen, Rhys V.	UC Davis, Div. of Environmental Studies, Davis, CA 95616	2	139
B10	Brady, George L.	P.O. Box 535, Pateros, WA 98846	44	1904
B13	Bureau of Land Management, (Michael N. Kochert)	3948 Development Ave., Boise, ID 83705	7	334
B8	Burk, Kathryn B.	2738 West Casas Dr., Tucson, AZ 85741	98	1947
B11	Burnham, W. A., (World Center for Birds of Prey)	5666 W. Flying Hawk Ln., Boise, ID 83709	1	141
C22	Caffrey, Carolee	UCLA, Los Angeles, CA 90024	1	35
C8	Cal. Poly. State Univ., (Dr. Eric V. Johnson)	Cal. Poly State Univ., San Luis Obispo, CA 93407	1	8
C20	Calder, Dr. William A.	Univ. of Arizona, Tucson, AZ 85721	23	1924
C23	California Waterfowl Association	3840 Rosin Court, Suite 200, Sacramento, CA 95834	9	3621
C12	Canadian Wildlife Service, (B. Turner)	4999 - 98 Av. Rm. 210, Edmonton, AB T6B 2X3	15	11916
C16	Canadian Wildlife Service	P.O. Box 6010, Whitehorse, YU Y1A 5L7	19	224
C24	Carlson, Barbara A.	P. O. Box 55419, Riverside, CA 92517	88	2323
C7	Channing, Edward C.	1115 Sierra Dr., Turlock, CA 95380	1	14
C5	Chapel, Mike	106 Janet Way, Grass Valley, CA 95949	1	11
C2	Chapin, Ross E.	4340 N. Via Raposa, Tucson, AZ 85718	91	2360
C6	Church, Jane F.	P.O. Box 39, Sonoita, AZ 85637	48	479
C6a	Marston, Judith	P.O. Box 39, Sonoita, AZ 85637	3	27
C13	Clark, Thomas O.	28972 Spadra St., Barstow, CA 92311	24	78
C10	Clouse, David\George Walters	AFZH-DEQ, Fort Lewis, WA 98433	3	407
C4	CO Div. Wildlife, (Howard Funk)	317 W. Prospect, Fort Collins, CO 80526	1	16
C9	Cohen, Robert R.	P.O. Box 173362, Denver, CO 80217-3362	2	916
C17	Collins, Charles T.	CA State Univ., Long Beach, Long Beach, CA 90840	22	1258
C14	Collister, Doug	3426 Lane Cres S.W., Calgary, AB T3E 5X2	32	689
C21	Colorado Bird Observatory	13401 Piccadilly Rd., Brighton, CO 80601	72	1459
C11	Columbia NWR, (Randy Hill)	P.O. Drawer F, Othello, WA 99344	5	1645
C25	Copper, R.	227 F Ave., Coranado, CA 92118	1	2
C3	Corchran, Charles E.	7214 E. Camino Vecino, Tucson, AZ 85715	52	883
C1	Coyote Creek Riparian Station	P.O. Box 1027, Alviso, CA 95002	111	7544
C15	Crockett, Allen B.	3372 16th St., Boulder, CO 80304	2	8
C18	Cromie, Ray	127 Marion Dr., Sherwood Park, AB T8A 2G8	5	48
C19	CWS - Western & Northern Reg, (Ursula Banasch)	4999 - 98 Av. Rm. 230, Edmonton, AB T6B 2X3	2	10
D8	Dahlsten, Donald L.	1050 San Pablo Ave., Albany, CA 94706	3	750
D11	Danner, Bob	8507-87 Avenue, Edmonton, AB T6C 1K1	2	261
D6	Daily, Gretchen/Paul Ehrlich	Stanford University, Stanford, CA 94305	16	49
D12	De Jong, Daniel	Rural Rt., Marion, MT 59925	3	4
D4	Deer Flat National Wildlife Refuge	13751 Upper Embankment Road, Nampa, ID 83686	1	100
D3	DeLong, Russ	42 Glen Drive, Mill Valley, CA 94941	4	28
D13	Den, Steve	178 Poudre River Rd., Bellvue, CO 80512	22	430
D1	Denver Wildlife Res. Ctr., (John Cummings)	Denver Fed. Cen. Bldg. 16, Lakewood, CO 80225	4	75
D7	DeSante, David F.	P.O. Box 554, Inverness, CA 94937	21	123
D5	DiDonato, Joe, (East Bay Regional Parks)	11500 Skyline Blvd., Oakland, CA 94619	5	27

D2	Diller, Lowell	P.O. Box 1169, Arcata, CA 95521	1	175
D9	Dimmick, Curt R.	Northern Arizona University, Flagstaff, AZ 86011	1	86
D10	Dixon W/L Res. Fd. Station USFWS, (Dr. D. S. Gilmer)	6924 Tremont Rd., Dixon, CA 95620	6	329
D14	Duffy, Katy	P. O. Box 26, Moose, WY 83012	21	82
E2	Eltzroth, Mrs. Elsie K.	6980 NW Cardinal Dr., Corvallis, OR 97330	5	131
E4	Enright, Fran	83 Long View, Evergreen, CO 80439	4	49
E3	Epple, Paulette	1725 Hillside Lane, Bozeman, MT 59715	2	2
E1	Ervin, Dr. Stephen	Cal. State Univ. Fresno, Fresno, CA 93740	4	111
F10	Falka, Gary A.	Univ. of Calif. Davis, Davis, CA 95616	1	1
F5	Farris, Patricia	4782 Topanga Canyon Blvd., Woodland Hills, CA 91364	13	55
F2	Finch, D. R.	222 South 22nd. St., Laramie, WY 82070	3	344
F1	Fish Springs NWR	P.O. Box 568, Dugway, UT 84022	10	235
F4	Fisler, George F.	CSU Northridge, Northridge, CA 91330	9	417
F7	Forestry and Range Science Lab, (Evelyn L. Bull)	1401 Gekler, LaGrande, OR 97850	1	29
F6	Forestry Science Lab, Rocky Mt. Station (Teryl Grub)	USDA Forest Service, Tempe, AZ 85287-1304	2	16
F8	Forsman, Eric	3200 SW Jefferson Way, Corvallis, OR 98502	1	322
F9	Freed, Leonard A.	Univ. Hawaii, Honolulu, HI 96822	11	325
F3	Fresno Wildlife Rescue & Rehab.	P.O. Box 9032, Fresno, CA 93790	22	255
G3	Gaines, R. C.	P.O. Box 752, Picabo, ID 83348	11	58
G4	Garcelon, Mr. D. K. (Institute For Wildlife Studies)	P.O. Box 127, Arcata, CA 95521	1	5
G10	Garrison, B. A.	301 Willow Wood Ct., Vacaville, CA 95688	6	147
G6	Geis, Mary	13870 Kelly Canyon Rd., Bozeman, MT 59715	4	545
G5	Genelly, Richard E.	1628 Hyland St., Bayside, CA 95524	13	150
G8	Gerstenberg, R. H.	995 N. Reed, Reedley, CA 93654	20	337
G9	Gibson, Robert M.	UCLA, Los Angeles, CA 90024	1	12
G11	Gray's Lake National Wildlife Refuge (Mike Fisher)	74 Gray's Lake Road, Wayan, ID 83285	1	1
G2	Greaves, Jim	327 W. Islay Street, Santa Barbara, CA 93101	2	63
G7	Green, Helen A.	2001 Yolo Av., Berkeley, CA 94707	14	91
G1	Gubanich, Alan	Univ. Nevada, Reno, NV 89557	4	2158
H10	Haleakala NP	P.O. Box 369, Makawao, Maui, HI 96768	1	7
H11	Halekas, George P.	Star Route, Wauconda, WA 98859	10	422
H7	Halstead, Bruce G.	2966 Spring Drive, McKinleyville, CA 95521	27	454
H6	Harmata, Alan R.	Montana State Univ., Bozeman, MT 59717	13	160
H14	Hawaiian & Pacific Islands NWR	P.O. Box 50167, Honolulu, HI 96850	21	6899
H5	Henry, W.	2250 Wildes Rd., Fallon, NV 89406	8	336
H2	Hiebert, David L.	P.O. Box 2515, Gearhart, OR 97138	9	131
H13	Hogg, Norman D.	5629 Cedros Ave., Van Nuys, CA 91411	31	706
H12	Hoffman, Stephen W. (Hawk Watch International)	P. O. Box 35706, Albuquerque, NM 87176	12	3254
H4	Holt, Denver W. (Owl Research Institute)	P.O. Box 8335, Missoula, MT 59807	4	284
H3	Hubbard, Dr. John P.	2016 Valle Rio, Santa Fe, NM 87501	11	75
H9	Hughes, Jeffrey H. (Alaska F and G)	333 Raspberry Rd., Anchorage, AK 99502	6	140
H1	Hull, Angus C. (Non-game Alaska FWS)	801 Chamberlain Ct., Mill Valley, CA 94941	2	16
H8	Hundertmark, C. A. (Rio Grande Bird Research)	6 Tumbleweed NW, Albuquerque, NM 87120	64	2810
I1	ID Dept Fish & Game, (Gary C. Will)	P.O. Box 25, Boise, ID 83707	3	1016
I2	Institute for Bird Populations, (Dr. Dave DeSante)	P.O. Box 554, Inverness, CA 94937	45	856
I4	Institute of Artic Biology, (Edward C. Murphy)	University of Alaska, Fairbanks, AK 99775-0180	2	14
I3	Izembek NWR	P.O. Box 127, Cold Bay, AK 99571	3	104
J7	Jeppson, Joseph H.	962 Highland Blvd., Pocatello, ID 83204	51	333
J5	Johnson, D. R./K. E. Melquist	Univ. Idaho, Moscow, ID 83843	1	65

J3	Johnson, Virginia P.	4637 Del Mar Av., San Diego, CA 92107	30	370
J6	Johnson, Roger S.	P.O. Box 555, Provogt, AB T0B 3S0	1	890
J4	Jones, Mrs. Elinor G.	Swan Lake Rt., Bigfork, MT 59911	32	623
J1	Jones, Edgar	43 Westbrook Drive, Edmonton, AB T6J 2C8	96	3672
J2a	Konecny, John	5510 Morehouse Drive, San Diego, CA 92121	1	77
K8	Kanuti NWR (Randall J. Wilk)	101 12th Av. Box 11, Fairbanks, AK 99701	1	348
K4	Kebbe, Chester E.	5414 NE Emerson St., Portland, OR 97218	38	1290
K3	Keller, Kent R.	7900 S. Candelstick Lane #208, Midvale, UT 84047	1	103
K11	Kenai National Wildlife Refuge	P. O. Box 2139, Soldotna, AK 99669	1	1
K6	Killpack, Merlin L.	1726 24th St., Ogden, UT 84401	44	2510
K5	Kings River Conservation District, (J. A. Halstead)	4886 E. Jensen Av., Fresno, CA 93725	3	5
K9	Kinnaird, John S.	P.O. Box 676, Barrhead, AB T0G 0E0	10	242
K1	Klamath Basin NWR, (James Hainline)	Rt. 1 Box 74, Tulelake, CA 96134	4	2012
K7	Koenig, Walter D.	Hastings Reservation, Carmel Valley, CA 93924	3	294
K2	Kridler, Eugene	952 E. Spruce St., Sequim, WA 98382	56	1194
K10	Kus, Dr. Barbara	San Diego State University, San Diego CA 92182	7	337
L3	LaBerteaux, Denise L.	10375 Los Pinos, Onyx, CA 93255	5	7
L1	Larson, Alfred G.	3015 Silver St., Boise, ID 83703	7	924
L2	Lehner, Dr. P. N.	Colorado State Univ., Fort Collins, CO 80523	1	19
M10	MacKintosh, Duncan J.	1831 - 20th Ave. S., Lethbridge, AB T1K 1G3	1	2794
M8	Malheur NWR	P.O. Box 245, Princeton, OR 97721	8	554
M1	Mannan, R. William	University of Arizona, Tucson, AZ 85721	1	31
M13	Manolis, Tim	808 El Encino Way, Sacramento, CA 95864	13	30
M2	Marti, Carl	Weber State College, Ogden, UT 84408	3	342
M5	Martin, S. G.	7121 N. County Road 9, Wellington, CO 80549	21	252
M12	McCaffery, Mr. B. J.	Yukon Delta NWR P.O. Box 346, Bethel, AK 99559	6	18
M6	McClure, H. Elliott	69 E Loop, Camarillo, CA 93010	28	2629
M4	McKenzie, Dr. D. S.	Lewis & Clark College, Portland, OR 97219	16	284
M18	McKnight, Mrs. Daniel M.	P.O. Box 246, Glenwood, NM 88039	7	10
M15	Medicine Lake NWR	HC 51 Box 2, Medicine Lake, MT 59247	4	1079
M16	Merrick, George G.	3090 NE 27th St., Bend, OR 97701	9	272
M17	Meyers, T. A.	1334 S Ave. B #58, Yuma, AZ 85364	8	37
M3	Meyers, S.(Mark Northrop Services Inc.)	200 SW 35th St., Corvallis, OR 97333	1	32
M14	Montana Dept. FW&P, (Jeff Herbert)	1420 East 6th Avenue, Helena, MT 59620	10	781
M9	Monterey Bay Aquarium, (Patricia Quinn)	886 Cannery Row, Monterey, CA 93940	1	13
M7	Morrison, Dr. M. L.	Dept. Forestry, UC Berkeley, Berkeley, CA 94720	5	51
M11	Mountainspring, Stephen	437 NE Jackson #1, Roseburg, OR 97470	1	1
N7	National Bison Range, (Bill West)	132 Bison Range Road, Moiese, MT 59824	1	36
N8	National Ecology Research Center	4512 McMurray, Fort Collins, CO 80525-3400	1	1
N2	The Nature Conservancy, (Mark Stern)	1205 NW 25th St., Portland, OR 97210	2	23
N10	Navajo Fish and Wildlife, (Kathleen McCoy)	P. O. Box 1480, Window Rock, AZ 86515	1	45
N9	Neitra, William A.	P.O. Box 2965, Portland, OR 97208	1	562
N5	Nevada Dept. of Wildlife	P.O. Box 10678, Reno, NV 89520	1	1115
N3	New Mexico Coop. F & W Research Unit, (Bruce Thompson)	Box 30003, Dept. 4901, Las Cruces, NM 88003	1	4
N4	Nisqually NWR	100 Brown Farm Rd., Olympia, WA 98506	2	28
N6	North. Alaska Ecolog. Serv., (Cathryn Moitore)	101 12th Ave. Box 20, Fairbanks, AK 99701	12	304
N1	Northwest Ecological Research Institute	130 N. W. 114th Ave., Portland, OR 97229	1	29
N11	Norwitna NWR (Mark Handle)	P. O. Box 287, Glena, AK 99741		
O2	Oakland Parks & Rec., (Richard Kaufmann)	1520 Lakeside Dr., Oakland, CA 94612	2	5
O1	Orians, Gordon H.	University of Washington, Seattle, WA 98195	2	962
O3	Osokow, Mark	8414 Orion Ave. #250, Sepulveda, CA 91343	2	60
P2	Pac.N.W.Fd.St./USFWS, (Dr. Charles J. Henny)	480 S.W. Airport Rd., Corvallis, OR 97333	1	25
P1	Patterson, John Michael	324 38th Street, Astoria, OR 97103	35	256

P13	Paul, Don S.	515 East 5300 South, Ogdon, UT 84405	2	27
P17	Pearman, Myrna (Ellis Bird Farm)	P. O. Box 2980, Lacombe, AB T0C 1s0	1	788
P4	Peterson, B. "Moose"	P.O. Box 30694, Santa Barbara, CA 93130	24	266
P8	Peyton, Leonard J.	P.O. Box 80588, Fairbanks, AK 99708-0588	16	987
P8a	Collins, Cliff	P.O. Box 698, Cordova, AK 99574	2	253
P16	Pitman, Robert L.	8604 La Jolla Shores Dr., La Jolla, CA 92038-0271	1	377
P7	Pious, Malcom	Louisiana-Pacific Corp., Box 340, Calpella, CA 95418	1	76
P6	Platt, Dr. Stephen W.	P.O. Box 1012, Lander, WY 82520	5	73
P14	Pletzt, Erhard	6915 87th. Ave., Edmonton, AB T6B 0L5	65	2053
P15	Pogson, Thomas H.	P. O. Box 113208, Anchorage, AK 99511-3208	11	163
P11	Point Reyes Bird Observatory	4990 Shoreline Highway, Stinson Beach, CA 94970	141	8126
P5	Powell, James R.	P.O. Box 233, Twin Bridges, MT 59754	8	15
P3	Predatory Bird Research Group	Lower Quarry, U. C. Santa Cruz, Santa Cruz, CA 95064	3	150
P9	Prescott, David	University of Calgary, Calgary, AB T2N 1N4	31	685
P12	Purcell, Kathryn	2081 E. Sierra Ave., Fresno, CA 93710	8	38
P10	Pyle, Robert L.	741 N. Kalaheo Av., Kailua, HI 96734	1	139
Q1	Quay, W. B.	Rt. #1, Box 327, New Bloomfield, MO 65063-9719	39	268
R10	Ralph, C. J.	7000 Lanphere Rd., Arcata, CA 95521	58	1675
R2	Raveling, Dennis G.	U. C. Davis, Davis, CA 95616	1	4
R6	Ream, Catherine H.	15506 Kendall Circle Rd., Clinton, MT 59825	2	2
R5	Red Rock Lakes NWR	Monida Star Rt., Box 15, Lima, MT 59739	1	405
R13	Reynolds, Mark	P. O. Box 939, Truckee, CA 95734	9	85
R4	Reynolds, Richard T.	222 S. 22nd. St., Laramie, WY 82070	1	14
R3	Ridgefield NWR	P.O. Box 457, Ridgefield, WA 98642	3	93
R8	Ritchie, Bob	2671 Black Sheep Rd., Fairbanks, AK 99709	3	48
R1	Roberts, Dr. Craig	2880 Old Netarts Rd., Tillamook, OR 97141	6	19
R12	Rocky Mtn. Biological Laboratory, (Susan Allen)	P. O. Box 519, Crested Butte, CO 81224	32	390
R7	Rocky Mtn. Field Station, (Dr. L. C. McEwen)	CSU, Fort Collins, CO 80523	2	731
R11	Russell, Ruth	2850 N. Camino de Oeste, Tucson, AZ 85745	10	1948
R9	Ryder, Dr. Ronald A.	CSU, Fort Collins, CO 80523	54	836
S14	Sacramento NWR Complex	Rt. 1, Box 311, Willows, CA 95988	4	2144
S10	Salton Sea NWR	P.O. Box 120, Calipatria, CA 92233	3	238
S23	Samples, Cynthia	Rt. 4, Box 160, Oldtown, ID 83822	6	24
S26	San Francisco Bay Bird Observatory	P.O. Box 247, Alviso, CA 95002	12	235
S4	Sandell, Catherine I.	8101 N. Main, Las Cruces, NM 88001	9	224
S30	Schempf, Philip F.	P. O. Box 021287, Juneau, AK 99802	2	153
S9	Schew, W. A.	215 Morton Ave., Broomall, PA 19008	2	57
S29	Scholes, Robert T.	P. O. Box 117, Rodeo, NM 88056	19	256
S1	Schultz, Chris	P.O. Box 402, Clifton, CO 81520	6	43
S11	Schulz, Terry A.	U. C. Davis Raptor Ctr., Davis, CA 95616	14	146
S18	Sedgwick, James A.	6225 Ridgeview Lane, Fort Collins, CO 80524	9	485
S31	Selawick NWR	P. O. Box 270, Kotzebue, AK 99752	2	247
S12	Semonsen, Vincent	1810 Sunset Av., Santa Barbara, CA 93101	1	23
S25	Sheldon-Hart Mt NWR	P.O. Box 111, Lackeview, OR 97630	49	479
S21	Sheridon, Carole	P.O. Box 4524, Tocomo, WA 98444	22	404
S15	Shor, Williston	318 Montford Av., Mill Valley, CA 94941	1	1
S7	Simmons, Steve	2499 5th Av., Merced, CA 95340	3	64
S16	Simon Fraser University, (D. N. Verbeek)	Biology Department, Burnaby, BC V5A 1S6	7	602
S20	Smith, G. P.	P.O. Box 2002, Morro Bay, CA 93442	50	414
S17	Springer, Paul F.	Humboldt State University, Arcata, CA 95521	1	60
S8	Staebler, Dr. A. E.	370 Pierce Dr., Clovis, CA 93612	18	141
S3	Stahlecker, Dale W.	Route 7, Box 126-Z, Santa Fe, NM 87505	8	107
S24	Stapleton, Jim	P. O. Box #50, Joyce, WA 98343	3	13
S13	Starrett, Dr. Andrew	10601 Andora Av., Chatsworth, CA 91311	14	185
S27	Stephens, Dr. Daniel A.	Wenatchee Valley College, Wenatchee, WA 98801	13	55
S19	Stiles, Donald J.	20 Lake Wapta Rise SE, Calgary, AB T2J 2M9	2	2498
S22	Stillwater NWR, (Anne Janik/William Henry)	P.O. Box 1236, Fallon, NV 89406-1236	3	140

S28	Stock, Charles E.	30656 Abraham Dr., Halsey, OR 97348	3	7
S6	Sullivan, Kimberly	Utah State University, Logan, UT 84322	3	64
S2	Swem, Ted	1412 Airport Way, Fairbanks, AK 99701	15	321
S5	Swisher, Otis D.	P.O. Box 1582, Medford, OR 97501-0120	12	264
T5	Tetlin NWR	P.O. Box 155, Tok, AK 99780	1	4
T3	Thorne II, Dr. Oakleigh (Thorne Ecological Institute)	5398 Manhattan Circle, Boulder, CO 80303	6	111
T7	Togiak NWR	P.O. Box 270, Dillingham, AK 99576	1	214
T9	Tolksdorf, Monika (Monika's Wildlife Shelter)	8137 192St., Surrey, BC V3S 4P1	8	65
T4	Travis, Neil M.	411 South E, Livingston, MT 59047	7	151
T6	Trost, C. H.	Box 8007, Idaho State Univ., Pocatello, ID 83209	4	496
T2	Tuttle, Kenneth C.	457 E. Lakeview Drive, Elk Ridge, UT 84651	4	16
T1	Tweit, Robert C.	3116 North Willow Creek Drive, Tucson, AZ 85712	6	109
T8	Tyler, William Breck	Long Marine Lab, 100 Shaffer Rd., Santa Cruz, CA 952060	12	45
T10	Tyrrel, Robert A.	3312 California Ave., El Monte, CA 91731	4	50
U1	Umatilla Refuges	P.O. Box 239, Umatilla, OR 97882	1	1965
U3	United States Forest Service, (Janet Jones)	3625 93rd. Ave., Olympia, WA 98502	1	2
U5	University of Alberta, (Dr. S. J. Hannon)	Dept. Zoology, Univ. of Alberta, Edmonton, AB T6G 2E5	2	225
U7	University of British Columbia	UBC, Vancouver, BC V6T 1Z4	27	909
U2	Utah Division of Wildlife Resources (Dennis Shirley)	1115 N. Main, Springville, UT 84663	1	117
U6	Utah Division of Wildlife Resources	1596 W.N. Temple, Salt Lake City, UT 84116	7	1794
V4	Van Riper III, Dr. Charles	P.O. Box 5614, Flagstaff, AZ 86011	3	53
V5	Vehrencamp, Sandra	UCSD, La Jolla, CA 92093	1	7
V2	Verner, Jared	2081 E. Sierra Av., Fresno, CA 93710	1	80
V6	Vleck, Carol	2933 E. Helen St., Tucson, AZ 85716	4	9
V3	Voget, Ken	P.O. Box 287, Calipatria, CA 92233-0287	51	760
V1	Vroman, Dennis D.	1102 NW A St., Grants Pass, OR 97526	56	1732
W18	Waage, Bruce	3105 Arvin, Billings, MT 59102	2	15
W15	Wallen, Rick (Grand Teton Nat'l Park)	P. O. Box 170, Moose, WY 83012	2	14
W1	Walters, Dr. Philip M.	5111 Soledad Primera, Tucson, AZ 85718	69	2555
W16	Walters, Robert E. (Utah Division of Wildlife Resources)	1596 W. North Temple, Salt Lake City, UT 84116	3	10
W2	Wasserman, J. L.	1158 Beechwood St., Camarillo, CA 93010	39	693
W13	Wessel, George	P.O. Box 3407, Smithers, BC VOJ 2N0	1	7
W10	West, Dr. George C.	P.O. Box 841, Homer, AK 99603	24	789
W20	West, Steve	P. O. Box 2489, Carlsbad, NM 88220	10	745
W19	Wethington, Susan	2551 N. Shannon Rd., Tucson, AZ 85745	6	394
W8	Whitman, Jackson S.	P.O. Box 230, McGrath, AK 99627	18	661
W4	Willapa NWR., (James B. Atkinson)	HC 01, Box 910, Ilwaco, WA 98624	1	2
W11	Williams, Dr. Ralph B.	P.O. Box 32354, Juneau, AK 99803-2354	14	526
W3	Winchell, Clark S.	Natural Resource Office, San Diego, CA 92135-5018	1	2
W14	Wingfield, John C.	Univ. of Wash., Seattle, WA 98195	30	633
W7	Winternitz, Barbara L.	28 Garden Dr., Colorado Springs, CO 80904	1	20
W9	Wolf, Carl L.	Rt.1, Box 104 B, Worden, MT 59088	9	29
W6	Woodbridge, Brian	P.O. Box 134, Macdoel, CA 96058	10	328
W12	Woodland Park Zoo, (Gregory S. Tuffic)	5500 Phinney Av. N, Seattle, WA 98103	1	1
W17	Woolington, Dennis (San Luis NWR)	P. O. Box 2176, Los Banos, CA 93536	2	2
W5	Wright, Dr. Philip L.	3617 Creekwood Rd., Missoula, MT 59802	5	24
Y1	Yukon Delta National Wild. Ref.	P.O. Box 346, Bethel, AK 99559	4	758
				168352

Commentary on the 1990 Annual Report

Michael Rigney and Christopher D. Otahal

**Coyote Creek Riparian Station
P.O. Box 1027
Alviso, CA 95002**

A total of 390 banding reports was received for 1990, including 12 reports from subpermittees and 109 individuals or organizations who reported no banding with USFWS/CWS bands in the WBBA area. The number of active reports, 281, was down sharply (18%) from 1989 and the 5-year mean (1985-1989) of 315.4 (see Table 1 below). This year's total of active banders reporting ranks third lowest in the previous ten years, reversing an upward trend evident since 1983. It should also be noted that many state and federal wildlife refuges who have banded significant numbers of birds in past years, curtailed banding efforts this year.

Table 1. Ten-year summary of banding activity in WBBA area

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	5 yr mean 85-89	1990	10-yr Aver. 80-89
No. of active reports	282	314	361	238	276	299	304	306	327	341	315	281	305
Species banded*	408	383	383	374	399	399	390	414	406	402	402	396	396
Ave. species/bander	12	11	11	14	13	14	13	12	13	12	13	11	12.5
Ave. birds/bander	560	489	338	508	536	535	505	555	544	523	532	599	509
Birds banded	157787	153585	122147	120963	147805	159838	153654	169683	178020	178223	167884	168352	154171

* Continental birds, full species only.

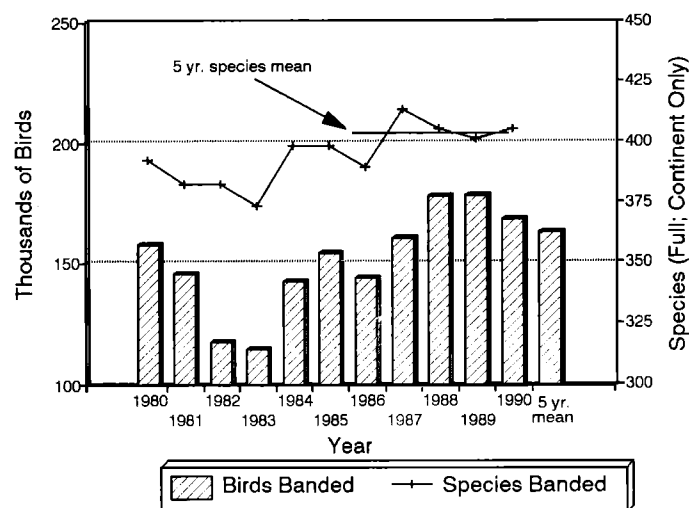


Figure 1. Graphic representation of bird and species totals for the past ten years in the WBBA area.

Despite the fact that the number of banders reporting activity was down substantially, the number of birds banded this year was down only 9% from last year but was still above the 5 year mean. This was due to the record high number of birds banded per active bander (599). Forty banders (17%), in fact, reported totals of over 1,000 birds banded in 1990.

The total number of full species banded (396) and the average number of species per bander (11) on the continent was also down from the previous three years. In the WBBA area, the majority of banders (66%), banded less than ten species while only a small number (7%) banded over 50 species.

Banding in Alaska reached a ten year high, with twice as many birds banded in 1990 as in 1989. On the other hand, banding activity in California was down substantially (34%) from last year but is representative of previous years.

Table 2 provides an analysis of bandings over the past five years as a function of general types of birds banded. As in previous years, waterfowl continue to be banded in large numbers; however, overall numbers have decreased since 1988.

Raptor banding has continued to rise steadily, particularly within the last three years. This increase is due primarily to the efforts of several organizations and individuals focused on raptor banding. High numbers of Cooper's Hawks, Sharp-shinned Hawks and American Kestrels were banded this year. Also prompting this rise has been the intense interest in the Spotted Owl which has produced record numbers banded of this species.

Table 2. Number of Birds Banded (% of Total) for Groups of Species

	1985	1986	1987	1988	1989	5-yr mean	1990
Waterfowl (Anseriformes)	36482 (22.8)	40151 (26.1)	52577 (31.0)	53573 (29.9)	50796 (28.6)	46716 (27.8)	50548 (30.0)
Birds of Prey (Falconiformes & Strigiformes)	7478 (4.7)	6488 (4.3)	7366 (4.4)	9590 (5.3)	10106 (5.7)	8206 (4.9)	11503 (6.8)
Shorebirds, Gulls & Alcids (Charadriiformes)	17270 (10.8)	7262 (4.7)	13104 (7.7)	14300 (8.0)	12050 (6.8)	12797 (7.6)	9835 (5.8)
Hummingbirds (Apodiformes; part)	1579 (1.0)	1656 (1.1)	3047 (1.8)	3778 (2.1)	6494 (3.7)	3311 (1.9)	5250 (3.1)
Passerines (Passeriformes)	79548 (49.8)	79092 (51.5)	79906 (47.0)	83103 (46.3)	85197 (48.0)	81369 (48.5)	81049 (48.1)
Thrushes (% of passerines)	4997 (6.3)	5461 (6.9)	8798 (11.0)	10343 (12.5)	14061 (16.5)	8732 (10.6)	12186 (15.0)
All Other Birds	17481 (10.9)	19005 (12.4)	13856 (8.2)	13676 (7.7)	12712 (7.2)	15346 (9.3)	10167 (6.1)
TOTAL	159838	153654	169856	178020	177355	167745	168352

Figure 2 below shows the tremendous rise in Spotted Owls banded within the last 10 years. This species now comprises nearly 40% of all owls banded. Despite this species' relative scarcity, since 1989, more Spotted Owls have been banded than any other species of owl.

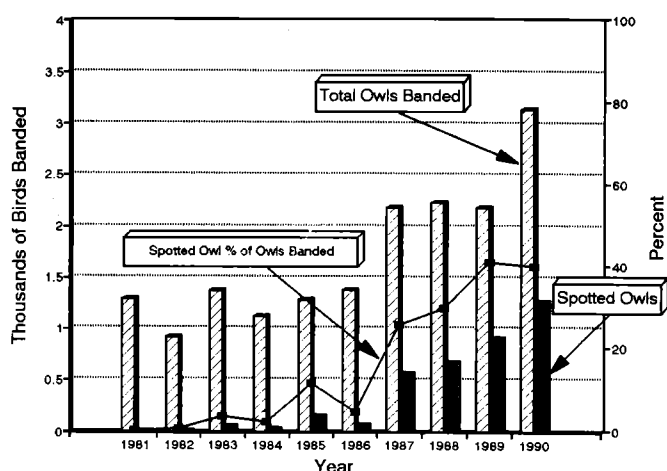


Figure 2. The number of Spotted Owls banded in relation to other owls.

Banding of Charadriiformes in 1990 was down from the previous three years and down substantially from the 5-year mean. Another group of birds which has been banded in ever-increasing numbers is hummingbirds. Again, it is

primarily the activity of a small number of enthusiastic banders who are focusing their efforts on this group of species.

Passerines continue to comprise nearly half (48.1%) of all birds banded in the WBBA area. Although numbers were down from the previous two years, 1990 totals were close to the five year mean. We examined the relative abundance of one group, the thrushes, over the past five years. **Table 2** shows that the percentage of thrushes (of all passerines banded) has risen steadily over the past five years (except for 1990 where it fell slightly). Again this rise seems to be due to the concerted banding efforts of a few individuals banding primarily Mountain Bluebirds. **Figure 3** shows the number of bluebirds banded and the percentage of Mountain Bluebirds (of all thrushes banded).

In summary, banding in the WBBA area appears to have leveled off but

still remains above the average of the previous five years. This year saw a new high in the average number of birds banded per individual or organization. Further examination of summary data indicated that a certain degree of banding activity is focused on particular species or groups. Although this is not an unexpected result of individual banding programs, it does point to the need for care in using summary banding data to determine trends in species or groups.

This is CCRS contribution number 10.

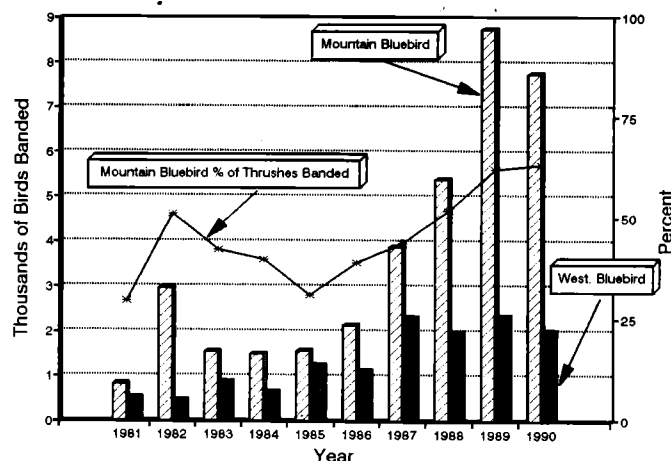



Figure 3. Banding totals for Western and Mountain Bluebirds over the past ten years and the relationship of Mountain Bluebirds to all thrushes banded



NOTICE:

The 1992 WBBA Annual Meeting will be held at Riverside, California in October. Mark it on your calendar and plan to attend.

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