



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 | | | 7 | R9(5),F3(1) |
| BRANDT'S CORMORANT | | | | | | 93 | | | 93 | P11 |
| GREAT FRIGATEBIRD | | | | | | | | 291 | 291 | H14 |
| LEAST BITTERN | | | | | | 1 | | | 1 | V3 |
| GREAT BLUE HERON | | | | | | 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 | | | 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),T5(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 |

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|-------------------------|-----|-----------------|-------|--------------|--------------|------|--------------|--------------------|-------|----------------------------|
| 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 SNIFE | | 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 KITTAWAKE | 254 | | | | | | | | 254 | A8(249),14(5) |
| RED-LEGGED KITTAWAKE | 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 |

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|-------------------------------|----|-----------------|-------|--------------|--------------|------|--------------|--------------------|-------|---------------------------------------|
| 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/P11/V1(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),J2(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 LEIOTHRIX | | | | | | | | 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 | 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 GROSBEEK | | 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 |
| I'IWI | | | | | | | | 94 | F9 |
| APAPANE | | | | | | | | 123 | F9 |
| HOUSE SPARROW | | 9 | 5 | 7 | 6 | 253 | 475 | 755 | W1(405),M6(159),E1(73) |
| NUTMEG MANAKIN | | | | | | | | 2 | F9 |
| | <u>15252</u> | <u>31001</u> | <u>16936</u> | <u>18404</u> | <u>17675</u> | <u>46095</u> | <u>15554</u> | <u>7436</u> | <u>168352</u> |

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 | Balsh, 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., Coronado, 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, Coruallis, 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, Reedly, 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, Glana, 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 |

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|-----|---|--|-----|------|
| 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 | Pletz, 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 V35 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.

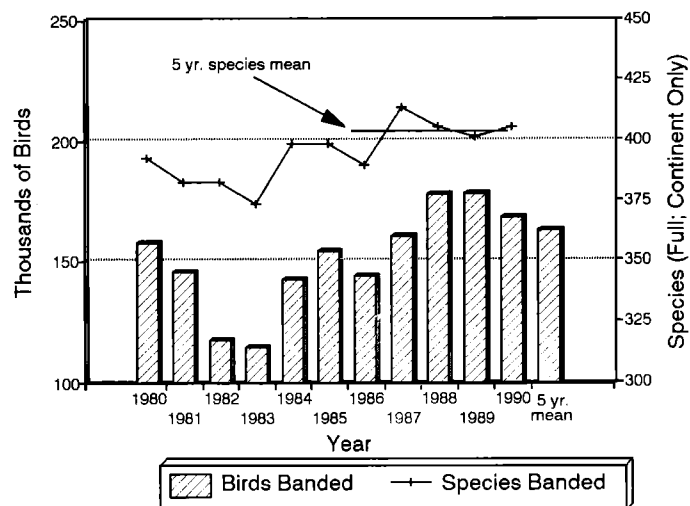


Figure 1. Graphic representation of bird and species totals for the past ten years in the WBBA area.

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.

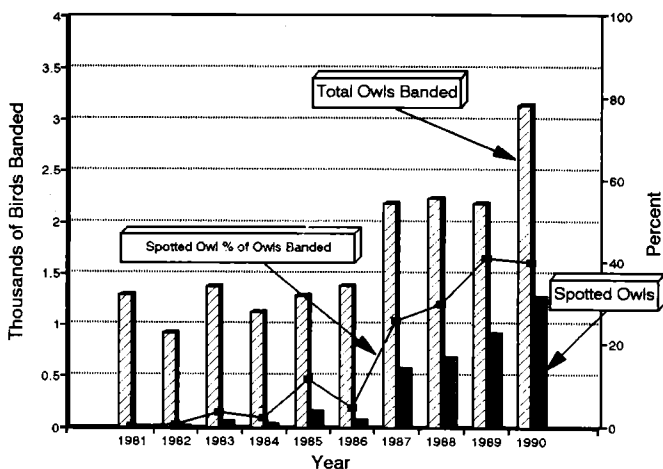


Figure 2. The number of Spotted Owls banded in relation to other owls.

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.

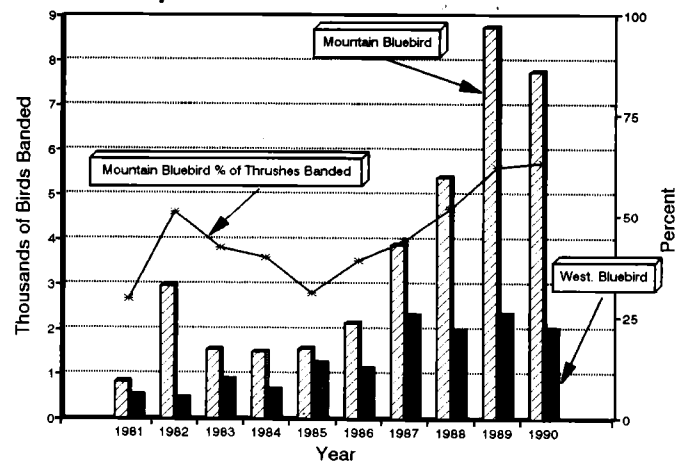



Figure 3. Banding totals for Western and Mountain Bluebirds over the past ten years and the relationship of Mountain Bluebirds to all thrushes banded



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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