



Founded in 1925

Western Regional News

1998 WBBA ANNUAL REPORT

The 1998 report, on the following pages, attests to the breadth of banding effort and the wealth of opportunities in the Western Bird Banding Association area, with 419 species banded last year. While banders in the western United States capture mainly those species we think of as "Western," our colleagues in Alberta and the Northern Territories are within the breeding range of many species traditionally considered as "Eastern." Add to these the endemic and semi-endemic sea and land birds from Hawaii and Alaska and the strays that wander to the Farrallon Islands, and you can understand the wide diversity presented on the following pages.

WBBA is very grateful to Chris Otahal for compiling this report and to the banders who sent their 1998 results. Chris is continuing to compile our Annual Report even though his former employer, Coyote Creek Riparian Station, no longer exists.

**WBBA Meeting in 2000
Fairbanks, Alaska in September
Mark your Calendars**

HAVE YOU OPENED YOUR COPY OF BAND MANAGER YET?

Remember that CD-ROM that arrived from the BBL several months ago? Those of you who qualify as "computer hotshots" are probably keeping your banding records on BAND MANAGER already. Some of us have installed the program on our computers, found out how it works, and plan to exploit its full potential.

However, if you still submit paper schedules and perhaps are not too comfortable with computers, open the package now and read the message from the BBL. **PAPER SCHEDULES WILL NOT BE ACCEPTED AFTER OCTOBER 1, 2000!** Now is the time to adapt to BAND MANAGER, the only route for submitting data to the BBL in the new millennium. If you haven't entered your banding data into a computer program before, you may be fascinated by all the ways you can manipulate data at the touch of a few keys.

WBBA WELCOMES THE FOLLOWING NEW MEMBERS:

David Bise, San Diego CA
Sally Close, Hereford AZ
Stephanie Forbes, Seattle WA
Lee Franks, San Carlos CA
Nancy Freese, Rochester MN
Geoff Geupel (welcome back ex-WBBA President Geoff), Stinson Beach CA
Dana K. Kamada, San Clemente CA
Keith W Larson, Tok AK
Ray Nelson, Reno NV
Jennifer Slater, Thornton CO
Bryan B. Valett, Polson MT
Lisa K. Walraven, Bisbee AZ



WBBA ANNUAL REPORT 1998

A summary of banding reported from the WBBA area for 1998 with USFWS/CWS bands.

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Codes in the HIGH BANDERS column refer to the list of individuals or institutional banders.
Numbers in () are individual totals.
Upon request we can supply a list of all banders for a species.

SPECIES	MX	HI	AK	YK/BC	NT/AB	WA/OR ID	CA	NV/UT	MT/WY CO	AZ/NM	TOTAL	HIGH BANDERS
Red-throated Loon			19								19	H10(19)
Common Loon								6			6	E02(6)
Yellow-billed Loon			1								1	H10(1)
Pied-billed Grebe				16					2		18	C13(16),A05(2)
Horned Grebe				48							48	C13(48)
Western Grebe								2			2	E02(2)
Red-necked Grebe				8	126						134	C16(126),C13(8)
Eared Grebe				36			223				259	H02(223),C13(36)
Laysan Albatross		114									114	P09(76),U08(38)
Dark-rumped Petrel		32									32	H01(31),H16(1)
Bulwer's Petrel		2									2	P09(2)
Wedge-tailed Shearwater		439									439	P09(439)
American White Pelican							5	400	100		505	S11(400),C26(100),S16(5)
Brown Pelican							45				45	S16(45)
Double-crested Cormorant						697					697	W08(697)
Pelagic Cormorant			16								16	A06(16)
Great Frigatebird		416									416	D14(416)
Least Bittern							6				6	A04(6)
Great Blue Heron			1						1		2	R06(1),U09(1)
Snowy Egret							1		128		129	A05(128),A04(1)
Cattle Egret									8		8	A05(8)
Green Heron							4				4	A04(2),V02(2)
Black-crowned Night-Heron									73		73	R06(50),A05(23)
White-faced Ibis									80		80	A05(80)
Greater White-fronted Goose			175								175	A06(108),K07(65),H10(2)
Emperor Goose			162								162	A06(162)
Snow Goose			1		1081						1082	C17(1081),H10(1)
Canada Goose			1491	24	4		8	694	68		2289	A06(1177),N04(527),Y02(313)
Hawaiian Goose		25									25	H16(25)
Brant					609						609	C17(599),C10(10)
Trumpeter Swan		6			4				12		22	R05(11),A06(6),C08(4)
Wood Duck				4		111	206		9		330	S12(104),B16(96),C02(53)
Gadwall				1	112		116	172	78		479	S11(172),C09(92),S02(62)
American Wigeon			13		240		4	9	107		373	D13(210),R06(81),C09(23)
American Black Duck					1						1	C09(1)
Mallard			147	893	11081	973	944	198	2983		17219	C09(9886),A05(1673),D13(1167)
Blue-winged Teal					2371				95		2466	C09(2371),M17(60),B03(24)
Cinnamon Teal				25			78		16		119	S02(73),C09(25),A05(8),B03(8)
Northern Shoveler					5		9	224	4		242	S11(224),S02(9),B03(2),B09(2)
Northern Pintail			1783		846	3	10	140	150		2932	Y02(1531),C09(534),D13(311)
Green-winged Teal			194		138	1	1		242		576	A05(161),C09(131),Y02(127)
Canvasback				2	31			124	130		287	M17(127),U12(123),C09(31)
Redhead				1	414	1	9	22	578		1025	M17(437),C09(414),A05(90)
Ring-necked Duck				4	4		1		2		11	C13(4),C17(4),B03(2),C13(2)
Greater Scaup			46				75				121	U12(75),A06(46)
Lesser Scaup				65	150		36		22		273	C17(133),C13(65),U12(36)
Spectacled Eider			288								288	A06(288)
King Eider			13		24						37	C10(24),H10(13)
Common Eider			32		555						587	C10(555),A06(32)
Harlequin Duck			149	352	93				35		629	C16(438),A06(95),K05(54)
Black Scoter			1								1	A06(1)
Oldsquaw			49								49	A06(49)
Bufflehead			14	36	14						64	C13(36),C09(14),C17(14)
Common Goldeneye			321		12						333	U10(321),C09(8),B09(4)
Barrow's Goldeneye			6	3							9	A06(6),C13(3)
Common Merganser			2								2	U10(2)
Ruddy Duck				75	19		10		1		105	C13(75),C09(19),H02(9)
Osprey					10	114			3		127	J03(110),P07(9),H05(4)
Bald Eagle			1			10	52		22		85	P02(36),H07(17),P10(16)
Northern Harrier			9			46	7		1	1	64	B11(46),U06(8),M09(7)

SPECIES	MX	HI	AK	YK/BC	NT/AB	WA/OR ID	CA	NV/UT	MT/WY CO	AZ/NM	TOTAL	HIGH BANDERS
Sharp-shinned Hawk			98		10	7	397	1	10	1	524	G04(357),U06(73),P01(20)
Cooper's Hawk				98	15	9	372		4	2	500	G04(371),B12(98),B11(5)
Northern Goshawk			9	17	13	16		7	27		89	B12(17),M05(15),M14(12)
Red-shouldered Hawk							10				10	D06(4),E03(3),H03(3)
Harris's Hawk										7	7	S05(7)
Broad-winged Hawk					3						3	P07(2),C15(1)
Swainson's Hawk					205	88	11		45	26	375	R01(111),P07(72),U05(58)
Red-tailed Hawk	1		3		80	25	203	10	22	6	350	G04(105),P07(57),H03(48)
Ferruginous Hawk					99	20	1	1	196	21	338	U04(141),R01(68),H07(35)
Rough-legged Hawk			8		3	12	2	9	21		55	M14(17),F07(12),H14(9)
Golden Eagle					1	31	21	77	32	46	208	K01(76),S09(46),B16(31)
American Kestrel			28		15	638	123		139	19	982	U05(257),C23(233),R07(65)
Merlin			9		62	4	15		1	1	92	P07(46),G04(15),H09(8)
Gyr Falcon			1		1	1					3	F05(1),P07(1),U06(1)
Peregrine Falcon			173	10	40	41	4				268	U07(172),P02(41),D13(40)
Prairie Falcon					15	16	1	2	6		40	C15(14),U05(9),M01(5)
Blue Grouse							3				3	L02(3)
Scaled Quail										1	1	I01(1)
California Quail							135				135	A04(135)
Gambel's Quail	1						460				461	A04(460),C19(1)
Yellow Rail						63					63	T08(63)
Virginia Rail							2				2	A04(2)
Sora					1		4				5	A04(4),J01(1)
American Coot				2			2		349	82	435	R06(281),B07(82),A05(68)
Sandhill Crane						3	11				14	M09(11),R03(3)
Black-bellied Plover		13				2					15	J06(13),M15(2)
American Golden-Plover			11								11	A06(9),J06(2)
Pacific Golden-Plover			26								26	J06(26)
Snowy Plover						104	337				441	P06(305),T08(104),S24(32)
Semipalmated Plover			10			9					19	M15(9),A06(8),S04(2)
Piping Plover					108						108	P05(72),K04(36)
Killdeer					1		2		8		11	C25(3),T11(3),A04(2),R06(2)
Hawaiian Stilt		25									25	P09(25)
American Avocet										3	3	R06(3)
Greater Yellowlegs			3								3	A06(3)
Lesser Yellowlegs			84								84	A06(84)
Solitary Sandpiper			6	1	14						21	C15(14),Y01(3),S04(2)
Willet									1		1	C25(1)
Wandering Tattler			25								25	A06(25)
Spotted Sandpiper					3		3		8		14	T09(5),C15(3),C26(2),S22(2)
Bristle-thighed Curlew			2								2	A06(2)
Hudsonian Godwit			2								2	A06(2)
Bar-tailed Godwit			1								1	A06(1)
Marbled Godwit						14					14	M15(14)
Ruddy Turnstone						1					1	M15(1)
Black Turnstone			6								6	A06(6)
Surfbird			57			1					58	A06(57),M15(1)
Red Knot						2					2	M15(2)
Sanderling						3					3	M15(3)
Western Sandpiper			2			400	64				466	M15(325),W03(75),A04(64)
Least Sandpiper			6			9	3				18	M15(9),A06(5),A04(3)
Baird's Sandpiper			1								1	A06(1)
Dunlin						33	38				71	K08(38),M15(33)
Short-billed Dowitcher			4				2				6	A06(4),A04(2)
Long-billed Dowitcher						32					32	M15(32)
Common Snipe			2	1	1				4		8	J07(4),A08(2),J01(1),M13(1)
Red-necked Phalarope						1					1	M15(1)
California Gull							76		60		136	H02(61),R06(60),S16(15)
Herring Gull					12						12	C10(12)
Western Gull						6					6	B10(6)
Glaucous-winged Gull			58			2					60	A06(58),B10(2)
Sabine's Gull					49						49	C10(49)
Black-legged Kittiwake			804								804	A06(713),M12(76),A02(15)
Red-legged Kittiwake			200								200	M12(175),A02(25)
Gull-billed Tern							76				76	S16(76)
Arctic Tern			3								3	A06(3)
Forster's Tern							17				17	M09(17)
Black Skimmer							115				115	S16(115)
Common Murre			181								181	A06(181)
Pigeon Guillemot			37								37	A06(37)
Marbled Murrelet					367						367	C16(367)
Cassin's Auklet					499						499	T07(499)
Least Auklet			88								88	A02(88)
Crested Auklet			37								37	A02(37)
Rhinoceros Auklet			91	331		5					427	T07(331),A06(91),A07(5)
Horned Puffin			7								7	A06(7)
Tufted Puffin				1							1	T07(1)
Band-tailed Pigeon									19		19	R06(19)
Spotted Dove							6				6	S20(6)

SPECIES	MX	HI	AK	YK/BC	NT/AB	WA/OR ID	CA	NV/UT	MT/WY CO	AZ/NM	TOTAL	HIGH BANDERS
White-winged Dove										13	13	W01(5),B08(2),C04(2),D12(2),F02(2)
Mourning Dove						13	136	1	4	25	179	A04(86),M11(26),T02(10)
Inca Dove										9	9	B02(9)
Common Ground-Dove							180			4	184	A04(176),I01(4),M11(4)
Ruddy Ground-Dove										2	2	B02(2)
Yellow-billed Cuckoo									1	1	2	C25(1),F02(1)
Greater Roadrunner										2	2	S09(2)
Barn Owl				33		208	182		25	16	464	S12(114),O02(94),B04(84)
Flammulated Owl									3	2	5	R06(2),S05(2),C25(1),R02(1)
Western Screech-Owl						28	13		29	6	76	C25(29),U05(28),S12(13)
Eastern Screech-Owl									12		12	R06(7),R02(5)
Great Horned Owl					186	7	1		43	5	242	P07(93),B09(76),R06(14)
Snowy Owl					26						26	P07(23),B09(1),C14(1),H09(1)
Northern Hawk Owl			8								8	U06(8)
Northern Pygmy-Owl						2	2		5		9	O01(3),I01(2),R06(2)
Burrowing Owl					53				29	32	334	S16(219),B12(53),N03(24)
Spotted Owl					20					4	494	B04(213),F05(118),D03(68)
Barred Owl					6						6	C14(6)
Great Gray Owl					16				8		24	M14(8),C14(7),P07(5)
Long-eared Owl					1	16		1	317		335	O03(156),C25(98),M14(62)
Short-eared Owl			1			3			5		9	H07(5),F07(3),T06(1)
Boreal Owl			92			36			35		183	H15(70),U10(68),U06(24)
Northern Saw-whet Owl			6		75	19			28		128	C4(61),H15(19),C25(18)
Lesser Nighthawk							10	1		1	12	A04(10),C11(1),D01(1)
Common Nighthawk						6					6	N01(6)
Common Poorwill							1		7		8	R06(7),S20(1)
Black Swift									1		1	C25(1)
Vaux's Swift						8			2		10	B18(7),V02(2),B04(1)
White-throated Swift									1		1	S20(1)
Broad-billed Hummingbird										17	17	W12(13),P10(2),B02(1),D10(1)
Blue-throated Hummingbird										48	48	P10(48)
Magnificent Hummingbird										34	34	P10(30),C19(4)
Lucifer Hummingbird										7	7	D10(7)
Black-chinned Hummingbird							162	2	34	292	490	C28(158),D10(134),P10(87)
Anna's Hummingbird				29		1	425			33	488	C28(281),P01(58),C07(47)
Costa's Hummingbird	31						139	1		6	177	C28(139),C19(37),B02(1)
Calliope Hummingbird							1		189	140	330	B02(166),D10(84),C19(56)
Broad-tailed Hummingbird									476	624	1100	D10(453),W07(405),C19(171)
Rufous Hummingbird	31			364		80	36		211	920	1642	C19(477),D10(469),M04(254)
Allen's Hummingbird						6	110				116	P01(83),C07(19),C01(8)
Belted Kingfisher					8		2		4		14	C15(8),B02(3),H02(1),J07(1),V02(1)
Lewis's Woodpecker						24					24	U02(24)
Acorn Woodpecker						1	141			9	151	H13(132),W01(7),U03(4)
Gila Woodpecker										19	19	I01(6),B02(4),B08(2),C11(2),G05(2), W01(2)
Williamson's Sapsucker						5	6		1		12	I01(9),S22(2),R06(1)
Yellow-bellied Sapsucker				3	13						16	J01(7),P07(4),B12(3)
Red-naped Sapsucker				3	1	22			39	3	68	I01(28),C25(14),T09(6)
Red-breasted Sapsucker					1	44	56	6	1	1	109	I01(46),S22(24),P01(12)
Ladder-backed Woodpecker							1	1		9	11	C11(4),A04(1),B02(1),B08(1),F02(1), G05(1),I01(1),V03(1)
Nuttall's Woodpecker							76				76	P01(28),V02(13),U03(8)
Downy Woodpecker			23	4	28	49	63		43	3	213	C25(26),P01(23),I01(19)
Hairy Woodpecker			3		4	18	33		12	3	73	I01(16),P01(12),R06(7)
White-headed Woodpecker						9	7				16	I01(7),U02(7),G06(1),S22(1)
Three-toed Woodpecker			5	12		4					21	C16(9),U11(4),C27(3),U02(3)
Black-backed Woodpecker			1			6					7	U02(6),T10(1)
Gilded Flicker										3	3	C29(3)
Northern Flicker					4	1					5	C15(4),B20(1)
"Red-shafted" Flicker				1		12	44		18	9	84	P01(14),I01(15),C25(10)
"Yellow-shafted" Flicker			10		13	1			1		25	J01(11),T10(9),B09(2)
"Intergrade" Flicker					21		2		5	5	33	P04(21),C25(5),F02(4)
Pileated Woodpecker							2				2	P01(2)
Northern Beardless-Tyrannulet										1	1	G05(1)
Olive-sided Flycatcher			3		3	5	21			2	34	V02(11),I01(9),P01(6)
Western Wood-Pewee			20	4	13	38	143	30	46	28	322	P01(43),C25(29),S22(24),V02(24)
Eastern Wood-Pewee									1		1	C25(1)
Yellow-bellied Flycatcher			1		7						8	B13(3),D13(2),A08(1),K04(1),T10(1)
Acadian Flycatcher										1	1	F02(1)
Alder Flycatcher			332		60						392	T10(131),A08(93),C15(40)
Willow Flycatcher				14	21	189	243	9	59	70	606	B04(93),F02(66),P01(61)
"Trail's" Flycatcher				2	146			1	22		171	J01(99),C15(26),B13(21)
Least Flycatcher					875				8		883	J01(435),B13(424),K09(5)
Hammond's Flycatcher		69		2		74	165	10	46	6	372	I01(107),(P01(76),A08(48)
Dusky Flycatcher				1		112	169	22	132	77	513	I01(124),C25(96),F02(76)
Gray Flycatcher						3	5	2	4	11	25	F02(7),S22(3),B04(2),B08(2),B14(2), P01(2)
Pacific-slope Flycatcher				2		142	792		8		936	V02(384),M13(302),I01(116)
Cordilleran Flycatcher						2		1			11	C25(5),B06(2),R06(2)
"Western" Flycatcher			8		45	457	8	6		32	556	C01(430),V01(23),B04(21)
Black Phoebe						5	112	1		40	158	C01(58),V02(52),A04(38)
Eastern Phoebe					8						8	B13(6),J01(2)

SPECIES	MX	HI	AK	YK/BC	NT/AB	WA/OR ID	CA	NV/UT	MT/WY CO	AZ/NM	TOTAL	HIGH BANDERS
Say's Phoebe							3	1		1	5	L02(2),A04(1),F04(1),S09(1)
Vermilion Flycatcher										18	18	B08(10),I01(5),B02(2)
Dusky-capped Flycatcher										1	1	W01(1)
Ash-throated Flycatcher	1					7	134	20		74	236	G01(47),L03(37),V02(30)
Great Crested Flycatcher					1						1	J01(1)
Brown-crested Flycatcher							3	2		6	11	I01(4),A04(3),D01(2),F02(2),G05(2)
Cassin's Kingbird							1			6	7	B08(4),C29(2),A04(1)
Western Kingbird							42	11	3	8	64	A04(40),F04(10),B08(3),C25(3)
Eastern Kingbird					21	1			2		24	C15(20),C26(2),J07(2)
Loggerhead Shrike					4		53	3	66	5	131	C20(66),C03(27),A04(16)
Northern Shrike		12				10			1		23	K02(10),A01(7),A08(3),Y02(3)
White-eyed Vireo										1	1	F02(1)
Bell's Vireo							38	2		16	56	U03(38),C11(7),G05(5)
Gray Vireo							1				1	L02(1)
Plumbeous Vireo						2		7	10	3	22	C25(9),C11(7),B04(2),F02(2)
Cassin's Vireo				2		9	73	4	1	3	92	S22(22),P01(14),V02(13)
"Solitary" Vireo					1		9	3	3	1	17	S20(8),C11(3),O01(2)
Blue-headed Vireo				1			1			1	3	F02(1),J01(1),V02(1)
Hutton's Vireo					2	20	29				51	P01(17),V02(17),B20(13)
Warbling Vireo				10	80	159	834	82	101	64	1330	V02(483),I01(192),P01(94)
Philadelphia Vireo					12		1				13	B13(6),J01(6),V02(1)
Red-eyed Vireo				8	70	3			17		98	B13(20),J01(18),K09(17)
Gray Jay			35	2	5	25			8		75	I01(26),M05(10),P11(10)
Steller's Jay			4	10	4	144	54		71		287	A07(40),B20(32),R06(30)
Blue Jay				4	24				20		48	P07(9),C25(8),M10(7)
Western Scrub-Jay						13	50		20	4	87	C25(13),M11(11),P01(11)
Mexican Jay										11	11	W01(6),C21(5)
Pinyon Jay								1	33		34	M02(33),C11(1)
Black-billed Magpie					6	127			23		156	T03(127),C20(10),H07(6)
American Crow					6	300	1		4		311	M05(300),P07(6),R06(2)
Chihuahuan Raven										6	6	S09(6)
Common Raven					33	30			3	6	72	M05(30),L05(29),S09(6)
Horned Lark										11	2	W03(10),G05(2),N04(1)
Purple Martin				339	435	261					1035	P07(435),F03(339),N01(261)
Tree Swallow			148	520	3274	312	1127		1495		6876	S15(2093),C06(1027),W10(795)
Violet-green Swallow			12			44	53	12	74	1	196	C06(64),G01(35),N01(13)
Northern Rough-winged Swallow				1		3	31	2	4	9	50	A04(24),F02(9),I01(4)
Bank Swallow									1		2	A04(1),T06(1)
Cliff Swallow							186		396	21	603	T11(392),S20(144),S17(21)
Barn Swallow			19	2	12	1	78	18	10	16	156	P01(45),I02(19),F04(17)
Black-capped Chickadee			535	47	447	214	1	63	367	12	1686	A01(289),J01(142),C25(137)
Mountain Chickadee					4	84	387	36	185	22	718	D08(246),G07(76),C25(64)
Chestnut-backed Chickadee				6		182	407		10		605	V02(148),D08(113),P01(84)
Boreal Chickadee			167	3							170	T10(51),A08(28),I02(27)
Bridled Titmouse										76	76	C22(71),B08(2),C21(1),F02(1),S24(1)
Oak Titmouse						12	283				295	D08(135),G01(81),S20(23)
Juniper Titmouse										4	4	W01(2),W02(2)
Verdin							29	11		54	95	A04(29),C19(26),C11(15)
Bushtit	1			7		99	562	7	23	23	731	P01(169),V02(124),C01(96)
Red-breasted Nuthatch			4	3	22	62	37	5	20	2	155	I01(52),S22(12),B20(8),P01(8)
White-breasted Nuthatch					15	13	75	6	23	25	157	D08(26),S20(25),C25(17),G01(17)
Pygmy Nuthatch						6	93		41		140	D08(92),R06(26),C25(8)
Brown Creeper			5	1	8	70	85	2	9	2	182	I02(74),S22(20),P01(15)
Cactus Wren							9			14	23	A04(5),W01(5),L02(4)
Rock Wren							6			6	13	C25(6),L02(5),A04(1),C11(1)
Canyon Wren								1	1	7	9	C11(8),C25(1)
Carolina Wren										1	1	R08(1)
Bewick's Wren	1			14		73	511	50	6	181	836	P01(219),V02(88),F02(68)
House Wren					256	95	409	65	427	53	1305	G07(213),C25(127),P01(96)
Winter Wren				11	9	235	141	2	4		402	I01(150),P01(64),V02(21)
Marsh Wren				3			233	4	7	6	253	A04(223),I02(5),M09(4),V03(4)
American Dipper			44		2	2				5	53	F08(44),U02(5),C16(2),I01(2)
Golden-crowned Kinglet			45	10	26	329	235		23	2	670	I01(255),P01(116),B20(58)
Ruby-crowned Kinglet	2		703	20	33	323	1030	3	55	192	2361	P01(497),T10(339),V02(308)
Arctic Warbler			57								57	I01(38),A08(8),I02(6)
Blue-gray Gnatcatcher							22	4	24	1	51	C25(24),L02(8),A04(6)
California Gnatcatcher							153				153	B20(153)
Black-tailed Gnatcatcher	5									9	14	C11(9),C19(5)
Bluethroat			1								1	T06(1)
Eastern Bluebird					3				10	1	14	D04(10),E05(3),C21(1)
Western Bluebird				102	5	2027	1179	1	522	246	4082	N01(1292),G01(713),D04(520)
Mountain Bluebird				39	7972	631	7		3859		12508	M16(4137),S15(2378),D04(1986)
Townsend's Solitaire						7	3	3	14		27	C25(9),I01(4),C11(3)
Veery				7	7	16	1		2		33	F06(9),B06(7),P08(7)
Gray-cheeked Thrush			317		6						323	Y02(102),A08(89),T10(65)
Swainson's Thrush			684	18	126	865	1410	10	138	9	3260	I01(470),V02(458),T10(309)
Hermit Thrush	3		618	18	71	185	932	13	36	41	1917	A01(377),C01(324),P01(206)
Wood Thrush					1						1	J01(1)
American Robin			318	54	149	357	286	36	269	14	1483	I01(182),A08(103),C25(78)
Varied Thrush			153	4	10	123	30		5		325	T10(80),I01(46),B20(41)
Wrentit						54	541				595	P01(265),V02(131),S20(66)

SPECIES	MX	HI	AK	YK/BC	NT/AB	WA/OR ID	CA	NV/UT	MT/WY CO	AZ/NM	TOTAL	HIGH BANDERS
Gray Catbird					16	23	1	3	68	4	115	J07(22),F06(21),I01(21)
Northern Mockingbird	2					1	45	8		14	70	C01(26),S20(16),C11(5)
Sage Thrasher						3			2	2	7	U05(3),C25(2),C04(1),S24(1)
Brown Thrasher					1		1		15		17	C25(6),C26(3),M14(2)
Curve-billed Thrasher										32	32	C04(6),C29(4),B02(3),D12(3)
California Thrasher							43				43	A04(11),S20(10),V02(8)
Crisal Thrasher								10		11	21	C11(10),D01(10),C04(1)
European Starling				4		8	20		11	1	44	A04(15),C25(6),M13(4),V01(4)
Yellow Wagtail			97								97	T06(95),W03(2)
American Pipit			7								7	A01(4),T06(3)
Sprague's Pipit									26	1	27	J07(26),G05(1)
Bohemian Waxwing			6		8						14	P07(4),Y01(4),C15(3)
Cedar Waxwing				31	39	102	36	7	117	1	333	B02(57),I01(45),B04(41)
Phainopepla	8						4			4	16	C19(8),G05(3),S20(3)
Tennessee Warbler				1	505		3			1	510	B13(285),J01(121),C15(75)
Orange-crowned Warbler	21		2369	199	390	398	1859	37	203	277	5753	A08(1072),A01(708),P01(586)
Nashville Warbler					1	103	324	2	6	3	439	I01(213),S22(61),V01(50)
Virginia's Warbler								33	120	60	213	C25(102),F02(54),C11(33)
Lucy's Warbler								13		94	107	F02(44),G05(19),D01(12)
Northern Parula							2			1	4	V02(2),C20(1),F02(1)
Yellow Warbler			1413	119	784	165	1568	394	429	341	5213	V02(710),B13(399),C01(318)
Chestnut-sided Warbler				1			2				3	V02(2),P08(1)
Magnolia Warbler				3	52		3		3		61	B13(30),K09(9),J01(8)
Cape May Warbler					21		1				22	J01(12),B13(9),P01(1)
Black-throated Blue Warbler				1			1		2		4	C25(2),J01(1),P01(1)
"Myrtle" Warbler			2216	24	2806	96	318	2	12	14	5488	A08(1502),J01(1404),B13(1353)
"Audubon's" Warbler	4			18		304	1268	63	282	231	2170	I01(350),B02(301),C01(291)
Yellow-rumped Warbler				4	655	1	1		16	2	679	C15(645),T09(16),D13(10)
Black-throated Gray Warbler					1	83	19	3	16	3	125	B20(49),C25(13),B04(12)
Black-throated Green Warbler				1	3				2		6	B13(2),C25(2),C15(1),M13(1)
Townsend's Warbler	2		47	3	3	92	203	2	24	9	385	V02(105),I01(95),P01(87)
Hermit Warbler						38	156	2		1	197	I01(110),S22(43),P01(19)
Grace's Warbler							1		4		4	C25(4)
Prairie Warbler									2		3	C25(2),V02(1)
Palm Warbler				79							79	J01(53),B13(14),C15(8)
Bay-breasted Warbler				3							3	J01(2),B13(1)
Blackpoll Warbler			175	1	223		9		1		409	J01(117),A08(68),B13(65)
Black-and-white Warbler					16		5	1	2		24	B13(9),V02(4),C15(3)
American Redstart				20	226	2			37	2	287	H11(71),B13(69),J01(40)
Prothonotary Warbler							1				1	P01(1)
Worm-eating Warbler										1	1	F02(1)
Ovenbird					72		2	2	12		88	C15(39),K09(25),C25(6)
Northern Waterthrush			188	14	58	2	11		39	6	318	A08(71),C15(33),T10(33)
Connecticut Warbler					6						6	C15(3),B13(1),J01(1),K09(1)
Mourning Warbler					25					1	26	C15(9),J01(9),B13(6)
MacGillivray's Warbler				27	19	585	515	75	206	137	1564	I01(474),P01(181),V01(139)
Common Yellowthroat				52	36	204	1107	55	116	177	1747	C01(321),U03(260),A04(214),
Hooded Warbler							2		1		3	P01(2),C25(1)
Wilson's Warbler			4251	31	178	541	2513	228	421	1534	9697	A01(2423),F02(1438),V02(1015)
Canada Warbler					11		1		2		14	J01(7),C15(3),M14(2)
Yellow-breasted Chat						56	113	40	29	182	420	F02(97),V02(43),G05(38)
Summer Tanager							8	2		58	68	F02(33),G05(8),I01(7)
Western Tanager				5	4	126	169	49	87	19	459	I02(72),C25(39),F04(36)
Green-tailed Towhee					21	57	12	89	58	58	287	C25(63),S22(48),T03(19)
Spotted Towhee				55	8	469	436	16	185	73	1242	P01(168),C25(125),B04(83)
Canyon Towhee										58	58	W02(16),C04(12),F02(7)
California Towhee						2	166				168	S20(43),U03(29),V02(22)
Abert's Towhee							44			98	142	A04(44),C11(28),B02(22)
Cassin's Sparrow								1	1	49	51	G05(48),C25(1),F04(1),R08(1)
Rufous-crowned Sparrow							406			8	414	B15(401),C21(3),C04(2),P01(2),S20(2)
American Tree Sparrow			2248		57				285	1	2591	A08(1249),A01(582),Y02(250)
Chipping Sparrow			10	1	100	55	72	13	258	294	803	C25(129),F02(117),C21(78)
Clay-colored Sparrow				2	593	1	3		1	71	671	J01(311),B13(210),C15(66)
Brewer's Sparrow	11					17	183	144	9	187	551	L02(161),V03(128),F02(81)
Black-chinned Sparrow							20				20	L02(19),P01(1)
Vesper Sparrow				2	1	18	3	22	253		299	G05(234),S22(17),W03(15)
Lark Sparrow					22	18	11	2	54		107	F02(15),H17(14),F06(12)
Black-throated Sparrow						26	7		11		48	L02(25),V03(5),C04(3),F02(3)
Sage Sparrow	2					416	1				418	L02(314),P01(96),A04(4)
Lark Bunting									161	2	163	L01(161),F02(1),R08(1)
Savannah Sparrow			865	37	51	171	88	3	187	323	1725	A01(420),G05(255),T06(207)
Grasshopper Sparrow							1		28	670	699	G05(670),J07(26),C25(2)
Baird's Sparrow									40	63	103	G05(63),J07(40)
Le Conte's Sparrow					3						3	J01(3)
Fox Sparrow			491	69	11	299	484	10	24		1388	P01(184),A01(160),T10(140)
Song Sparrow			2	331	44	1323	3119	48	321	227	5415	P01(1086),V02(395),U03(368)
Lincoln's Sparrow	8		475	220	96	199	809	14	167	219	2207	A08(340),C01(215),M13(211)
Swamp Sparrow				1	16	1	6		2		26	C15(7),J01(6),K04(3)
White-throated Sparrow				14	389	5	12		6	3	429	P07(122),H11(89),C15(80)
Harris's Sparrow					4				4	1	9	P07(4),R06(2),M02(1),M10(1),W02(1)

SPECIES	MX	HI	AK	YK/BC	NT/AB	WA/OR ID	CA	NV/UT	MT/WY CO	AZ/NM	TOTAL	HIGH BANDERS
"Nuttall's" White-crowned Sparrow						6	82				88	P01(73),S21(9),B04(6)
"Gambel's" White-crowned Sparrow	32		721	16	21	122	416	9	417	1260	3014	A08(281),R08(276),B02(233)
"Puget Sound" White-crowned Sparrow				84		266	272				622	K02(145),V02(115),C01(108)
"Mountain" White-crowned Sparrow						72	229		107	130	538	C12(139),S22(87),T03(72)
White-crowned Sparrow			91	4	79	6	752	15	7	40	994	A04(603),M11(120),A01(91)
Golden-crowned Sparrow			300	64		576	676		3	1	1620	A01(255),V02(190),K02(151)
"White-winged" Junco									8		8	R06(4),C25(2),C20(1),M10(1)
"Gray-headed" Junco			80				2	1	132	30	245	C25(108),U11(80),R06(15)
"Slate-colored" Junco			1519	1	18	4	5		26	3	1576	T10(1135),S04(313),T06(55)
"Oregon" Junco				109	26	1999	1145	16	260	292	3847	I01(597),A07(546),K02(315)
"Pink-sided" Junco									24		24	C25(17),M10(7)
Dark-eyed Junco			1636	4	238	165	10	22	16	2	2093	A08(981),I02(269),A06(186)
Yellow-eyed Junco						1					1	K02(1)
McCown's Longspur									72		72	W03(71),R06(1)
Lapland Longspur			10			1					11	T10(4),W03(3),A01(2)
Smith's Longspur			94								94	W03(94)
Chestnut-collared Longspur									94		94	W03(94)
Snow Bunting			10								10	Y02(9),T06(1)
McKay's Bunting			26								26	Y02(26)
Northern Cardinal										15	15	W01(4),C04(4),B02(3),F02(3)
Pyrrhuloxia										32	32	B02(13),B08(7),C29(5)
Rose-breasted Grosbeak					7		3	3	2	1	16	C15(4),B13(3),C5(2),E06(2),V02(2)
Black-headed Grosbeak				11	2	182	623	16	101	110	1045	V02(242),P01(139),S20(56)
Blue Grosbeak							16	13	18	117	164	F02(84),C25(18),A04(14)
Lazuli Bunting						23	149	20	56	54	302	I01(73),B08(24),J07(23)
Indigo Bunting								1		3	4	F02(3),V03(1)
Varied Bunting										4	4	B08(3),G05(1)
Painted Bunting										2	2	F02(2)
Bobolink							1				1	V02(1)
Red-winged Blackbird			5	3	8	90	314	8	138	18	584	A04(292),K02(47),M10(45)
Tricolored Blackbird							35				35	A04(34),V02(1)
Eastern Meadowlark										6	6	S09(5),B08(1)
Western Meadowlark						1	15			4	20	A04(10),V02(5),R08(4)
Yellow-headed Blackbird						1	19		6		26	A04(18),T11(3),R06(2)
Rusty Blackbird			26								26	Y01(12),A08(5),T10(5)
Brewer's Blackbird						23	60	1	3		87	A04(39),K02(23),V02(8)
Common Grackle							9	2	132		132	C25(56),W09(33),C20(19)
Great-tailed Grackle							9	2			11	A04(9),D01(1),V03(1)
Bronzed Cowbird							11			7	18	A04(11),W05(7)
Brown-headed Cowbird				5	11	59	3205	22	61	32	3395	U03(2947),A04(211),J07(23)
Orchard Oriole									9		9	C26(8),M14(1)
Hooded Oriole							22			14	36	C28(12),C04(7),U03(4)
Baltimore Oriole					15				1		16	C15(19),J01(3),B13(2)
Bullock's Oriole	1					57	176	48	6	53	341	A04(75),V01(42),P01(35)
Scott's Oriole										81	81	C21(54),C04(25),W01(2)
Gray-crowned Rosy-Finch					5		30				35	C12(30),C15(5)
Brown-capped Rosy-Finch									10		10	C25(10)
Pine Grosbeak			11		9	1	18		17		56	C25(17),C15(7),I01(7)
Purple Finch				5	9	256	365				635	V02(148),P01(113),B20(88)
Cassin's Finch					45	26	157	23	95		346	C12(123),C15(45),C25(43)
House Finch	3			151		453	1651	58	249	533	3098	A04(659),K02(328),L02(250)
Red Crossbill			7			14			16	201	238	B05(201),C20(16),B20(9)
White-winged Crossbill			225	5	2						232	I02(203),T10(19),C27(5)
Common Redpoll			2391		362						2753	A08(774),P11(427),I02(345)
Hoary Redpoll			67								67	I02(22),Y02(21),T06(18)
Pine Siskin			33	366	626	580	119		497	67	2288	P07(521),M13(355),I01(202)
Lesser Goldfinch	3					55	403	23	10	102	596	L02(145),U03(99),C28(82)
Lawrence's Goldfinch							10				10	L02(7),W13(3)
American Goldfinch				29	22	131	127	4	39	3	355	B20(45),K02(41),P01(38)
Evening Grosbeak					68	14	36		20		138	C15(52),I01(22),P05(16)
House Sparrow				27	12	27	366		18	13	463	A04(295),M11(69),A07(27)

TOTAL 173 1066 33589 6892 42618 23441 48760 4304 23066 13248 197166

246 RESPONDING BANDERS (PLUS 60 RESPONDENTS WITH NO BANDING ACTIVITY IN 1998 NOT LISTED)

#	NAME	ADDRESS	SP.	#
A05	ALAMOSA / MONTE VISTA NWR COMPLEX (RAWINSKI, LISA J.)	9383 EL RANCHO LANE, ALAMOSA, CO 81101	16	2359
A08	ALASKA BIRD OBSERVATORY (BENSON, ANNA-MARIE)	P. O. BOX 82886, FAIRBANKS, AK 99708	41	8371
A01	ALASKA PENINSULA/BECHAROF NWR (SAVAGE, SUSAN)	P. O. BOX 277, KING SALMON, AK 99613	31	6627
A06	ALASKA SCIENCE CENTER (BOLLINGER, KAREN S.)	1011 E. TUDOR RD., ANCHORAGE, AK 99503	57	3756
A02	ALEUTIAN ISLAND UNIT, AMNWR (WILLIAMS, JEFF)	P. O. BOX 5251, ADAK, AK 99546	4	165
A09	ALTMAN, BOB	18000 SE VOGEL RD., BORING, OR 97009	45	1052
A07	ANDERSON, JON D.	2102 WALNUT ROAD NW, OLYMPIA, WA 98502	61	1536
A03	ASHLEY NATIONAL FOREST (DEWEY, SARAH)	355 N. VERNAL AVE., VERNAL, UT 84078	1	7
A04	AUBOVIRUS FIELD STATION (REISEN, WILLIAM K.)	4705 ALLEN RD., BAKERSFIELD, CA 93312	88	5642
B17	BAKER, M. C.	COLORADO STATE UNIVERSITY, FORT COLLINS, CO 80523	2	98
B19	BALDRIDGE, FRANK	P. O. BOX 1349, TRUCKEE, CA 96160	1	18
B14	BEAVER, DONALD L.	MICHIGAN STATE UNIVERSITY, EAST LANSING, MI 48824	8	15
B13	BEAVERHILL BIRD OBSERVATORY SOCIETY	P. O. BOX 1418, EDMONTON, AB T5J 2N5	67	3487

#	NAME	ADDRESS	SP.	#
B16	BEDS, JAN	600 S. WALNUT, BOISE, ID 83712	9	869
B01	BENEDICT, RICHARD D.	780 EAST 38TH AVE., EUGENE, OR 97405	15	135
B05	BENKMAN, CRAIG W.	NEW MEXICO STATE UNIVERSITY, LAS CRUCES, NM 88003	1	201
B11	BETTESWORTH, JACK R.	2569 12TH AVE. WEST, SEATTLE, WA 98119-2116	6	114
B08	BLM - SAN PEDRO RNCA (WHETSTONE, JACK)	1763 PASEO SAN LUIS, SIERRA VISTA, AZ 85635	61	796
B10	BOERSMA, P. D.	UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195	2	8
B15	BOLGER, DOUGLAS T.	6182 STEELE HALL, ROOM 306, HANOVER, NH 03755-3577	1	401
B20	BONTRAGER, DAVID R.	80645 LOST CREEK RD., DEXTER, OR 97431	46	1155
B09	BOOTH, GRAHAME M.	B201 3615 - 49TH ST. NW, CALGARY, AB T3A 2L8	53	426
B07	BOSQUE DEL APACHE NATIONAL WILDLIFE REFUGE	P. O. BOX 1246, SOCORRO, NM 87801	1	82
B03	BOWDOIN NATIONAL WILDLIFE REFUGE		14	476
B12	BRITISH COLUMBIA WILDLIFE BRANCH (CHUTTER, MICHAEL)	P. O. BOX 9374, VICTORIA, BC V8W 9M4	30	374
B18	BULL, EVELYN L.	1401 GEKELER LANE, LA GRANDE, OR 97850	1	7
B06	BUREAU OF LAND MANAGEMENT (ULMSCHNEIDER, HELEN)	RT. 2, BOX 610, SALMON, ID 83467	25	110
B04	BUREAU OF LAND MANAGEMENT OR/WA (LINT, JOE)	777 GARDEN VALLEY BLVD., ROSEBURG, OR 97470	77	2238
B02	BURK, KATHRYN B.	2738 W CASAS DR., TUCSON, AZ 85742	110	1610
C19	CALDER, BILL	UNIVERSITY OF ARIZONA, TUCSON, AZ 85721	48	992
C08	CANADIAN WILDLIFE SERVICE (BEYERSBERGIN, GERRY)	4999 - 98 AVE., EDMONTON, AB T6B 2X3	1	4
C13	CANADIAN WILDLIFE SERVICE (BREAU, ANDRE)	5421 ROBERTSON RD, RR1, DELTA, BC V4K 3N2	17	1225
C17	CANADIAN WILDLIFE SERVICE (HINES, JIM)	5204 - 50TH AVE., SUITE 301, YELLOWKNIFE, NT X1A 1E2	6	1832
C10	CANADIAN WILDLIFE SERVICE (KAY, MAUREEN)	5204 - 50TH AVE., SUITE 301, YELLOWKNIFE, NT X1A 1E2	5	650
C09	CANADIAN WILDLIFE SERVICE (PRYOR, S. PAUL)	4999 - 98 AVE., 2ND FLOOR, EDMONTON, AB T6B 2X3	15	13562
C27	CANADIAN WILDLIFE SERVICE - WHITEHORSE (HUGHES, NANCY)	91782 ALASKA HIGHWAY, WHITEHORSE, YU Y1A 5B7	14	49
C28	CARLSON, BARBARA A.	P. O. BOX 55419, RIVERSIDE, CA 92517	42	1002
C03	CH2MHILL (SANTOLO, GARY)	2485 NATOMAS PARK DR., SACRAMENTO, CA 95833	5	118
C02	CHANNING, EDWARD C.	1115 SIERRA DR., TURLOCK, CA 95380	1	53
C22	CHRISTMAN, BETH	PORTAL, AZ 85632	1	71
C05	CHRISTOPHER, DAVID	31 JICAMA CT., SACRAMENTO, CA 95833	1	8
C21	CHURCH, JANE P.	P. O. BOX 39, SONOITA, AZ 85637-0039	17	189
C18	CLARK, TOM	HC 70 BOX 15, TORREY, UT 84775	9	26
C06	COHEN, ROBERT R.	METROPOLITAN STATE COLLEGE, DENVER, CO 80217-3362	2	1091
C24	COLLINS, CLIFF	P. O. BOX 698, CORDOVA, AK 99574	2	144
C15	COLLISTER, DOUG	3426 LANE CR., S.W., CALGARY, AB T3E 5X2	87	2613
C25	COLORADO BIRD OBSERVATORY	13401 PICCADILLY RD., BRIGHTON, CO 80601	131	3493
C26	COLORADO DIVISION OF WILDLIFE	317 W. PROSPECT, FORT COLLINS, CO 80526	38	317
C11	COLORADO PLATEAU RESEARCH STATION (VAN RIPER III, CHARLES)	P. O. BOX 5614, FLAGSTAFF, AZ 86011	96	749
C23	COLUMBIA NATIONAL WILDLIFE REFUGE (HILL, RANDY)	735 E. MAIN, P. O. BOX F, OHELLO, WA 99344	5	259
C07	COLWELL, RITA	281 MARGARITA CT., LOS ALTOS, CA 94022	34	432
C16	COOKE, FRED	SIMON FRASER UNIVERSITY, BURNABY, BC V5A 1S6	7	1457
C12	COOMBS-HAHN, THOMAS	PRINCETON UNIVERSITY, PRINCETON, NJ 08544	7	345
C01	COYOTE CREEK RIPARIAN STATION	P. O. BOX 1027, ALVISO, CA 95002	79	4344
C04	CRAIG, ALAN M.	P. O. BOX 361, PORTAL, AZ 85632	41	327
C20	CRAIG, SUSAN H.	1530 ROBIDOUX CIRCLE, COLORADO SPRINGS, CO 80915	47	431
C14	CROMIE, RAY	127 MARION DR., SHERWOOD PARK, AB T8A 2G8	14	99
C29	CROSSIN, RICHARD S.	1719 N. HUACHUCA AVE., TUCSON, AZ 85745	11	90
D08	DAHLSTEN, DONALD L.	U. C. BERKELY, BERKELY, CA 94720	5	612
D07	DANNER, BOB	8723 - 79TH AVE., EDMONTON, AB T6C 0R5	2	328
D04	DAVIS, ERVIN	604 NORTH MAIN, CHARLO, MT 59824	3	3516
D11	DAVIS, JEFF N.	UNIVERSITY OF CALIFORNIA, SANTA CRUZ, CA 95064	6	16
D10	DAY-MARTIN, JOAN E.	146 KUHN DR., TIJERAS, NM 87059	7	1175
D05	DE LEON, MANUEL	266 WEST 100 NORTH #2, VERNAL, UT 84078	21	101
D14	DEARBORN, DONALD C.	OHIO STATE UNIVERSITY, COLUMBUS, OH 43210	1	416
D02	DEER FLAT NATIONAL WILDLIFE REFUGE	13751 UPPER EMBANKMENT RD., NAMPA, ID 83686	3	172
D06	DELONG, RUSS	P. O. BOX 328, COMPTCHE, CA 95427	3	22
D13	DEPT. RESOURCES, WILDLIFE AND ECONOMIC DEVELOPMENT	600-5102 - 50 AVE., YELLOWKNIFE, NT X1A 3S8	24	1819
D01	DESERT NATIONAL WILDLIFE REFUGE	1500 N. DECATUR BLVD., LAS VEGAS, NV 89108	35	222
D03	DILLER, LOWELL	P. O. BOX 68, KORBEL, CA 95550	1	68
D09	DIXON, KEITH L.	UTAH STATE UNIVERSITY, LOGAN, UT 84322-5305	2	23
D12	DORIO, JOHN C.	663 W. PLACITA NUEVA, GREEN VALLEY, AZ 85614	7	88
E03	EAST BAY REGIONAL PARK DISTRICT (DI DONATO, JOE)	2950 PERALTA OAKS CT., OAKLAND, CA 94605-0381	7	52
E06	EIDEL, J. JAMES	4150 MEADOW WOOD RD., CARSON CITY, NV 89703	28	271
E05	ELLIS BIRD FARM LTD.	P.O. BOX 5090, LACOMBE, AB T4L 1W7	2	574
E04	ELTZROTH, ELSIE K.	6980 NW CARDINAL DR., CORVALLIS, OR 97330	6	490
E07	ESKELIN, TODD D.	2619 LA TOUCHE ST., ANCHORAGE, AK 99508	3	831
E01	ESTEP, JAMES A.	5152 GLIDE DR., DAVIS, CA 95618	4	19
E02	EVERS, DAVID	195 MAIN ST., FREEPORT, MA 04032	2	8
F06	FERGUSON, HOWARD L.	E. 11006 BOUNDARY RD., ELK, WA 99009	36	422
F02	FINCH, DEBORAH M.	2205 COLUMBIA, SE, ALBUQUERQUE, NM 87106	99	4116
F07	FINK, LEROY	6998 N. GLENCREST WAY, BOISE, ID 83703	8	89
F03	FINLAY, J. C.	270 TREVLR PL. RR3, VICTORIA, BC V8X 3X1	3	478
F04	FISH SPRINGS NWR	P. O. BOX 568, DUGWAY, UT 84022	36	457
F01	FISLER, GEORGE F.	2023 EAST SIMS WAY, # 245, PORT TOWNSEND, WA 98368	10	139
F05	FLEMING, TRACY L.	23308 NE 148TH ST., BRUSH PRAIRIE, WA 98606	9	144
F08	FORESTRY SCIENCES LAB (WILSON, MARY)	2770 SHERWOOD LN., JUNEAU, AK 99802	1	44
G06	GARRISON, BARRY	1613 COSTA VERDE ST., DAVIS, CA 95616	27	206
G07	GEIS, MARY	13870 KELLY CANYON RD., BOZEMAN, MT 59715	4	1563
G03	GEORGE, LUKE	HUMBOLDT STATE UNIVERSITY, ARCATA, CA 95521	27	216
G04	GOLDEN GATE RAPTOR OBSERVATORY (BUZZ HULL)	BUILDING 201, FORT MASON, SAN FRANCISCO, CA 94123	7	875
G05	GORDON, CALEB	2545 N. EDITH BLVD., TUCSON, AZ 85716	42	1501
G01	GRAHAM, HATCH JR.	P. O. BOX 39, SOMERSET, CA 95684-0039	13	1186
G02	GREEN, HELLEN A.	2001 YOLO AVE., BERKELEY, CA 94707	5	16
H08	HAGAR, JOAN	OREGON STATE UNIVERSITY, CORVALLIS, OR 97331	28	219

#	NAME	ADDRESS	SP.	#
H01	HALEAKALA NATIONAL PARK (REESER, DONALD W.)	P. O. BOX 369, MAKAWAO, HI 96768	1	31
H09	HALMAZNA, GEORGE J.	94 CHINOOK DR., COCHRANE, AB T0L 0W2	9	26
H06	HALSTEAD, BRUCE G.	3623 TRINITY ST., EUREKA, CA 95501-2742	8	59
H11	HANNON, SUSAN	UNIVERSITY OF ALBERTA, EDMONTON, AB T6G 2E9	3	162
H07	HARMATA, ALAN R.	MONTANA STATE UNIVERSITY, BOZEMAN, MT 59717-0346	20	120
H13	HASTINGS RESERVATION (KOENIG, WALTER D.)	38601 E. CARMEL VALLEY RD., CARMEL VALLEY, CA 93924	2	376
H16	HAWAII VOLCANOES NATIONAL PARK (MARTIN, JIM)	P. O. BOX 52, HAWAII VOLCANOS N. P., HI 96718-0052	2	26
H15	HAYWARD, GREG	UNIVERSITY OF WYOMING, LARAMIE, WY 82071	3	89
H10	HEMERICKS, JAMES W.	COLVILLE VILLAGE VIA POUCH 34109, PRUDHOE BAY, AK 99734	7	39
H05	HENNY, CHARLES J.	3080 SE CLEARWATER DR., CORVALLIS, OR 97333	1	4
H12	HIBBARD, CATHERINE	3400 LUCKY LANE, LOOMIS, CA 95650	40	394
H04	HIEBERT, DAVE	P. O. BOX 2515, GEARHEART, OR 97138	21	508
H14	HINDE, ALAN J.	301 WALDEN ST., CAMBRIDGE, MA 02138	4	22
H17	HUBBARD, JOHN P.	P. O. BOX 182, GLENWOOD, NM 88039	20	178
H02	HUBBS - SEA WORLD RESEARCH INSTITUTE (UEHL, J. R. JR.)	2595 INGRAHAM ST., SAN DIEGO, CA 92109	6	334
H03	HULL, A. C.	801 CHAMBERLAIN CT., MILL VALLEY, CA 94941	5	67
I03	INQUYE, DAVID W.	UNIVERSITY OF MARYLAND, COLLEGE PARK, MD 20742	3	57
I01	THE INSTITUTE FOR BIRD POPULATIONS	P. O. BOX 1346, POINT REYES STATION, CA 94956	243	8060
I02	INSTITUTE OF ARTIC BIOLOGY (DEVICHE, PIERRE)	UNIVERSITY OF ALASKA, FAIRBANKS, AK 99775-7000	26	1022
J03	JOHNSON, D. R.	212 KNOTTY PINE LANE, COEUR D'ALENE, ID 83815	1	110
J05	JOHNSON, LOIS M.	P. O. BOX 555, PROVOST, AB T0B 3S0	1	337
J06	JOHNSON, OSCAR W.	2105 TRIPLE TREE RD., BOZEMAN, MT 59715	3	41
J02	JOHNSON, VIRGINIA P.	4637 DEL MAR AVE., SAN DIEGO, CA 92107	16	106
J01	JONES, EDGAR T.	#119 215 BLACKBURN DR. E SW, EDMONTON, AB T6W 1B9	90	4027
J04	JONES, ELINOR G.	P. O. BOX 2437, BIGFORK, MT 59911	18	178
J07	JONES, STEPHANIE	P.O. BOX 25486, DENVER, CO 80225	79	1140
K01	KELLER, K. R.	40 E. MILLER ST., MURRAY, UT 84107	1	76
K08	KELLY, JOHN	P. O. BOX 808, MARSHALL, CA 94940	1	38
K06	KINNAIRD, JOHN S.	SITE 11, BOX 17, RR #2, BARRHEAD, AB T1N 1N3	2	318
K03	KIRKLEY, JACK	930 E. REEDER, DILLION, MT 59725	6	20
K05	KODIAK NATIONAL WILDLIFE REFUGE	1390 BUSKIN RIVER RD., KODIAK, AK 99615	1	54
K10	KOOTENAI NWR	HCR 60, BOX 283, BONNERS FERRY, ID 83805	1	90
K09	KOVACS, LANOS	10524 - 80 STREET, EDMONTON, AB T6A-3J7	37	270
K07	KOYUKUK/NOWITNA REFUGE COMPLEX (SPINDLER, MIKE)	P.O. BOX 287, GALENA, AK 99741	21	575
K02	KRIDLER, EUGENE	951 EAST OAK ST., SEQUIM, WA 98382	38	1491
K04	KUYT, ERNIE	381 - 103 B ST., EDMONTON, AB T6J 2X9	24	228
L02	LA BERTEAUX, DENISE L.	10375 LOS PINOS RD., ONYX, CA 93255	62	1491
L04	LARSON, ALFRED G.	3015 SILVER ST., BOISE, ID 83703	3	782
L05	LENNIE, W. NEIL	P. O. BOX 5514, FORT MC MURRAY, AB T9H 3G5	2	30
L03	LOS ALAMOS NATIONAL LAB (FAIR, JEANNE)	EES - 15, MSJ 495, LOS ALAMOS, NM 87544	5	307
L01	LYON, BRUCE	UNIVERSITY OF CALIFORNIA, SANTA CRUZ, CA 65604	1	161
M15	MACKAY, STUART	5200B RAVENNA AVE. NE, SEATTLE, WA 98105	12	432
M08	MANOLIS, TIM	808 EL ENCINO WAY, SACRAMENTO, CA 95864	5	8
M10	MARTIN, STEPHEN G.	7121 W. COUNTY ROAD 9, WELLINGTON, CO 80549-1602	24	533
M05	MARZLUFF, JOHN	UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195	12	404
M01	MATTOX, WILLIAM G.	8300 GANTZ AVE., BOISE, ID 83709	1	5
M11	MC CLURE, H. E.	69 EAST LOOP DR., CAMARILLO, CA 93010-2327	14	491
M04	MC GINNIS, BETTY	8593 WAVELL RD., SITE 21-C3 RR1, FANNY BAY, BC V0R 1W0	1	254
M17	MEDICINE LAKE NWR	223 NORTH SHORE RD., MEDICINE LAKE, MT 59247	13	1708
M07	MERRICK, G. G. JR.	3090 NE 27TH ST., BEND, OR 97701	9	75
M03	MEYERS, TRACY	2033 S. NEVADA ST., OCEANSIDE, CA 92054	5	27
M13	MICHALAK, LIBOR	8031 LUCAS RD., RICHMOND, BC V6Y 1G2	56	2043
M09	MODOC NATIONAL WILDLIFE REFUGE (RYNO, RONNIE L.)	P. O. BOX 1610, ALTURAS, CA 96101	48	1274
M02	MOLDENHAUER, RALPH R.	P. O. BOX 984, DUBOIS, WY 82513	23	133
M14	MONTANA COOPERATIVE WILDLIFE RESEARCH UNIT	UNIVERSITY OF MONTANA, MISSOULA, MT 59812	29	168
M06	MONTANA NATURAL HERITAGE PROGRAM (HENDRICKS, PAUL)	1515 EAST SIXTH AVE., HELENA, MT 59620	1	35
M16	MOUNTAIN BLUEBIRD TRAILS (KUZYK, ALLAN)	1003 - 22 AVE., COALDALE, AB T1M 1B6	2	4142
M12	MURPHY, EDWARD C.	P. O. BOX 757000, FAIRBANKS, AK 99775-7000	2	251
N04	NATIONAL WILDLIFE RESEARCH CENTER (CUMMINGS, JOHN)	4101 LA PORTE AVE., FORT COLLINS, CO 80521-2154	3	655
N02	NELSON, DOUGLAS A.	OHIO STATE UNIVERSITY, COLUMBUS, OH 43210	1	29
N03	NEW MEXICO COOPERATIVE FISH & WILD. UNIT	P. O. BOX 30003, MSC 4901, LAS CRUCES, NM 88003	1	24
N01	NORTHWEST ECOLOGICAL RESEARCH INSTITUTE	130 NW 114TH, PORTLAND, OR 97229	5	1720
O02	OREGON DEPARTMENT OF FISH AND WILDLIFE (FINDHOLT, SCOTT L.)	1401 GEKELER LANE, LA GRANDE, OR 97850	2	100
O01	ORMISTON, JOHN H.	7338 HIWAY 93 S., SULA, MT 59871	27	195
O03	OWL RESEARCH INSTITUTE (HOLT, DENVER W.)	P. O. BOX 8335, MISSOULA, MT 59807	3	161
P09	PACIFIC/REMOTE ISLANDS NWR (FLINT, ELIZABETH)	P.O. BOX 50167, HONOLULU, HI 96850	4	542
P08	PARKS CANADA (WOODS, JOHN G.)	P. O. BOX 350, REVELSTOKE, BC V0E Z50	32	241
P11	PEYTON, LEONARD J.	P. O. BOX 80588, FAIRBANKS, AK 99708	4	5
P12	PLATT, STEPHEN W.	980 CLIFF ST., LANDER, WY 82520	9	213
P07	PLETZ, ERHARD	6915 - 87TH AVE., EDMONTON, AB T6B 0L5	48	2554
P01	POINT REYES BIRD OBSERVATORY (GEUPEL, GEOFFREY R.)	4990 SHORELINE HIGHWAY, STINSON BEACH, CA 94970	114	7621
P06	POWELL, ABBY N.	UNIVERSITY OF ARKANSAS, FAYETTEVILLE, AR 72701	1	305
P13	POWERS, DON	GEORGE FOX UNIVERSITY, NEWBERY, OR 97132	13	246
P10	PREDATORY BIRD RESEARCH GROUP (HUNT, W. GRAINGER)	UCSC - LONG MARINE LAB, SANTA CRUZ, CA 95064	20	657
P02	PREDATORY BIRD RESEARCH GROUP (WALTON, BRIAN J.)	UCSC - LONG MARINE LAB, SANTA CRUZ, CA 95064	3	79
P05	PRESCOTT, DAVID	P. O. BOX 93, SITE 310, RR3, STONY PLAIN, AB T2Z 1X3	12	199
P03	PRICE, TREVOR	U. C. SAN DIEGO, LA JOLLA, CA 92093	1	139
P04	PROVINCIAL MUSEUM OF ALBERTA	12845 - 102 AV., EDMONTON, AB T5N 0M6	1	21
R05	RED ROCK LAKES NATIONAL WILDLIFE REFUGE	NATIONAL STAR ROUTE, BOX 15, LIMA, MT 59739	85	1431
R04	RESTANI, MARCO	MONTANA STATE UNIVERSITY, BOZEMAN, MT 59717	1	11

#	NAME	ADDRESS	SP.	#
R03	RIDGEFIELD NATIONAL WILDLIFE REFUGE	P. O. BOX 457, RIDGEFIELD, WA 98642	6	34
R08	RIO GRANDE BIRD RESEARCH, INC. (COX, STEVEN)	4426 SAN ISIDRO NW, ALBUQUERQUE, NM 87107	9	88
R07	ROCKY MOUNTAIN ARSENAL NWR (HETRICK, MINDY)	BUILDING 111, COMMERCE CITY, CO 80022-1748	65	1011
R02	ROCKY MOUNTAIN RAPTOR PROGRAM	300 W. DRAKE RD., FORT COLLINS, CO 80523	15	188
R01	ROPER, TREVOR	9813 - 84 STREET, FORT SASK, AB T8L 3J7	9	32
R06	RYDER, RONALD A.	COLORADO STATE UNIVERSITY, FORT COLLINS, CO 80523	7	99
S02	SACRAMENTO NWR COMPLEX (WOLDER, MIKE)	752 COUNTRY RD. 99W, WILLOWS, CA 95988	17	186
S01	SAKAI, HOWARD	P. O. BOX 7, ORICK, CA 95555	8	413
S20	SAKAI, WALTER H.	1900 PICO BLVD., SANTA MONICA, CA 90405-1628	23	170
S16	SALTON SEA NWR	906 W. SINCLAIR RD., CALIPATRIA, CA 92233	3	29
S21	SANDE, KARINE	P. O. BOX 2176, LOS BANOS, CA 93635	60	2422
S13	SCHOLAS, R. T.	P. O. BOX 117, RODEO, NM 88056	1	79
S06	SEAMAN, ERRAN	600 EAST PARK AVE., PORT ANGELES, WA 98362	11	70
S04	SEPPI, BRUCE E.	6881 ABBOTT LOOP, ANCHORAGE, AK 99507	11	46
S23	SHELDON-HART MOUNTAIN NWR (GREGG, MIKE)	P.O. BOX 111, LAKEVIEW, OR 97630	31	135
S12	SIMMONS, STEVE	2499 5TH AVE., MERCED, CA 95640	7	60
S05	SMITH, E. L.	3260 N. DOLD CT., TUCSON, AZ 85749	1	47
S24	SMITH, GREGORY P.	P. O. BOX 1822, MORRO BAY, CA 93443	10	20
S07	SMITH, JAMES A.	1857 HIGHWAY 66, ESTES PARK, CO 80517	1	24
S17	SPEICH, STEVEN M.	4720 N OESTE PLACE, TUCSON, AZ 85749	12	35
S18	STAFFORD, MICHAEL	908 W PICO, FRESNO, CA 93705	3	109
S09	STAHLECKER, DALE	30 FONDA RD., SANTA FE, NM 87505	1	2
S14	STAPLETON, JAMES	P. O. BOX 50, JOYCE, WA 98343	7	4523
S22	STEELE, JIM	1159 MANZANITA DR., PACIFICA, CA 94044	1	28
S08	STEGER, GEORGE	2081 E. SIERRA AVE., FRESNO, CA 93710	15	123
S15	STILES, DONALD J.	20 LAKE WAPTA RISE SE, CALGARY, AB T2V 2N6	6	475
S11	STILLWATER NATIONAL WILDLIFE REFUGE (HENRY, BILL)	P. O. BOX 1236, FALLON, NV 89406	4	244
S10	STOUT, HAROLD B.	P. O. BOX 517, BREWSTER, WA 98812	9	1305
S19	STURTS, SHIRLEY	4615 E. FERNAN LAKE RD., COEUR D' ALENE, ID 83814	58	1287
S03	SWISHER, OTIS D.	P. O. BOX 1582, MEDFORD, OR 97501-0120	31	1098
T02	TAINTER, FERN R.	3747 VISTA CAMPANA SOUTH, #86, OCEANSIDE, CA 92057-8230	32	917
T10	TETLIN NWR (DOYLE, TERRY)	P. O. BOX 779, TOK, AK 99780	15	508
T09	TETON SCIENCE SCHOOL (WACHOB, DOUG)	P. O. BOX 68, KELLY, WY 83911	41	4189
T08	THE NATURE CONSERVANCY (STERN, MARK)	821 SE 14TH, PORTLAND, OR 97231	37	420
T04	THOMPSON, CHARLES F.	ILLINOIS STATE UNIVERSITY, NORMAL, IL 61790	24	149
T11	THORNE ECOLOGICAL INSTITUTE (THORNE III, OAKLEIGH)	5398 MANHATTAN CIRCLE, SUITE 120, BOULDER, CO 80303-4239	26	199
T05	TINSMAN, JEANNE R.	HC70 BOX 56, DAVIS, WV 26260	38	612
T07	TRIANGLE ISLAND SEABIRD RESEARCH STATION	SIMON FRASER UNIVERSITY, BURNABY, BC V5A 1S6	2	167
T01	TROETSCHLER, RUTH	184 LOCKHART LANE, LOS ALTOS, CA 94022	35	373
T03	TROST, C. H.	IDAHO STATE UNIVERSITY, BOX 8007, POCATELLO, ID 83209-8007	1	127
U12	U. S. GEOLOGICAL SURVEY (TAKEKAWA, JOHN)	1408 MESA RD., VALLEJO, CA 94592	78	1709
U09	U.S. FISH AND WILDLIFE SERVICE (CONANT, BRUCE)	3000 VINTAGE BLVD., STE 240, JUNEAU, AK 99801-7100	5	431
U10	U.S.F.W.S - NORTHERN ALASKA ECOLOGICAL SERVICE	101 12TH AVE., BOX 19, RM 110, FAIRBANKS, AK 99701-6267	24	481
U04	USBLM - GREAT DIVIDE RESOURCE AREA (APPLE, LARRY L.)	1300 N 3 RD. ST., RAWLINS, WY 82301	7	382
U08	USDA, WILDLIFE SERVICES	3375 KOAPAKA ST., SUITE H-420, HONOLULU, HI 96819	1	1
U02	USFS - FORESTRY SCIENCES LAB (HEJL, SALLIE)	P. O. BOX 8089, MISSOULA, MT 59807	47	4172
U06	USFS - NAES (SWEM, TED)	101 - 12 TH AVE., BOX 19, FAIRBANKS, AK 99701	2	173
U01	USFS, FORESTHILL RANGER DISTRICT (WACHS, ROBIN)	22830 FORESTHILL RD., FORESTHILL, CA 95631	5	45
U11	USFS-GLACIER RANGER DISTRICT (LOTTSFELDT, JOELLEN)	P. O. BOX 129, GIRDWOOD, AK 99587	3	234
U07	USFWS - ENDANGERED SPECIES - FAIRBANKS	101 12TH AVE., BOX 19, ROOM 110, FAIRBANKS, AK 99701	1	38
U05	USGS - SNAKE RIVER FIELD STATION (KOCKERT, MICHAEL N.)	970 LUSK ST., BOISE, ID 83705	12	146
U03	USGS-BRD, SAN DIEGO FIELD STATION (KUS, BARBARA)	SAN DIEGO STATE UNIVERSITY, SAN DIEGO, CA 92182-4614	1	141
V04	VEHRENCAMP, SANDRA	UNIVERSITY OF CALIFORNIA SAN DIEGO, LA JOLLA, CA 92093	40	314
V02	VENTANA WILDERNESS SANCTUARY	HC 67 BOX 99, COAST ROUTE, MONTEREY, CA 93940	51	541
V03	VOGET, KEN	6357 MINT FROST WAY, LAS VEGAS, NV 89108	1	6
V01	VROMAN, DENNIS P.	269 SHETLAND DR., GRANTS PASS, OR 97526	107	6823
W05	WARREN, PAIGE	UNIVERSITY OF TEXAS, AUSTIN, TX 78712	4	32
W10	WASSERMAN, JAN	1158 BEECHWOOD ST., CAMARILLO, CA 93010	3	57
W01	WEST, GEORGE C.	691 W. VISTA HERMOSA, GREEN VALLEY, AZ 85614	12	157
W12	WETHINGTON, SUSAN	P. O. BOX 1125, PATIGONIA, AZ 85624	28	304
W04	WHELAN, ERNEST	P. O. BOX 1153, GRAND FORKS, BC V0H 1H0	1	7
W13	WHITFIRD, MARY J.	P.O. BOX 990, WELDON, CA 93283	26	468
W07	WIARD, BRENDA	146 W. 6TH, SALIDA, CO 81201	1	697
W06	WILLIAMS, RALPH B.	P. O. BOX 2354, JUNEAU, AK 99803-2354	3	442
W02	WILLIAMS, S. O. III	65 VERANO LOOP, SANTA FE, NM 87505	15	720
W08	WILLAPA NATIONAL WILDLIFE REFUGE (CLARK, ALAN)	P. O. BOX 566, CATHLAMET, WA 98612	12	88
W03	WINGFIELD, JOHN C.	UNIVERSITY OF WASHINGTON, SEATTLE, WA 98195-1800	2	141
W09	WOLF, CARL E.	2390 N. 9TH RD., WORDEN, MT 59088-2004	3	808
W11	WURZBACH, DAVID A.	401 ST. HELLENS AVE., #22/B2, TACOMA, WA 98402	2	14
Y01	YUKON FLATS NWR (HEUER, TED)	101 12TH AVE., BOX 14, ROOM 110, FAIRBANKS, AK 99701	30	2749