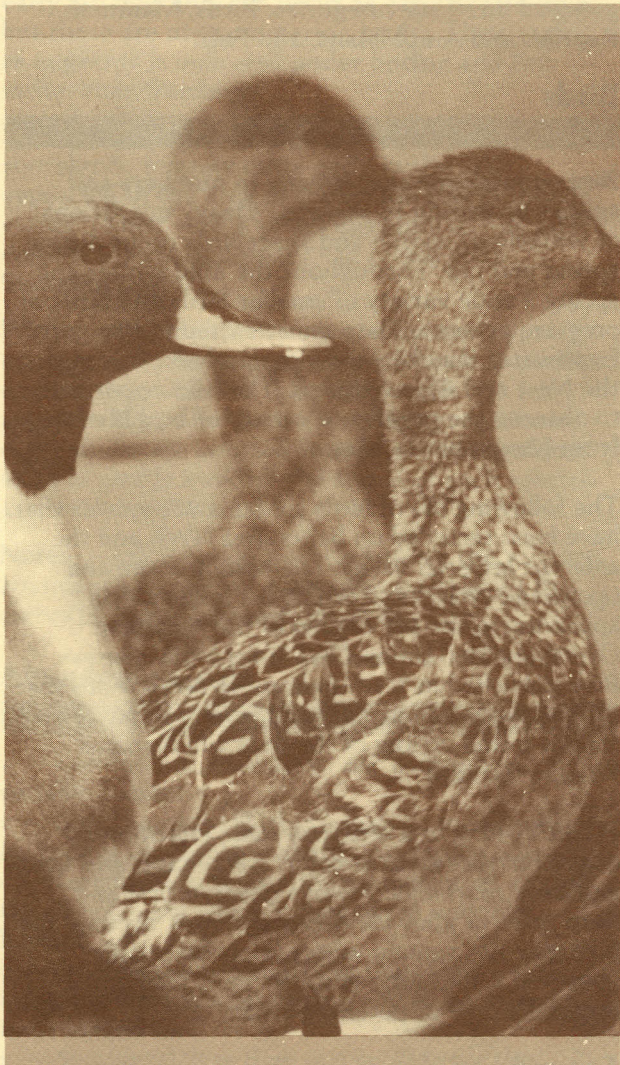


# Wildlife



of Salton Sea  
National Wildlife Refuge  
California

## Habitat Codes

**o - Open Water** - Restricted to the open water of the Salton Sea and larger lakes in the Imperial Valley.

**b - Beach and Mudflat** - Basically the shore line of the Salton Sea, but expanded to include flooded fields and other such areas of shallow water and mud.

**m - Marshes** - Cattail marshes and other such areas found at various locations around the Salton Sea, along the rivers and canals, and at shallow lakes.

**f - Farmland** - Agricultural land found extensively throughout the Imperial Valley south of the Salton Sea, including planted and unplanted fields alike.

**s - Shrubland** - Mesquite thickets and other brushy areas. Some shrubland contains scattered trees.

**r - Riparian Vegetation** - Limited to areas of salt cedar and willows along waterways, and at some points along the shore of the Salton Sea.

**a - Aerial** - Use limited to those strong flying species most often seen in the air.

**h - Houses and Towns** - Immediate area of ranch houses and the residential areas of such towns as Niland and Calipatria. It is in these areas that most of the larger trees can be found and where ornamental planting supports a variety of landbirds.

## Abbreviation Listed Under Notes

**b** - Species regularly breeds in the area.

**b+** - Species has bred in the area, and may continue to breed sporadically in the area, but is not expected to become a regular nesting species.

**l** - Species occurs only locally within the area.

**e** - An erratic species, occurring in numbers some years, and being very scarce or even absent in others.

**x** - Species formerly occurred in the area, but is now extirpated, occurring only as an accidental straggler if at all.

**xb** - An extirpated breeder formerly nesting in the area, but with no recent breeding records.

**p** - A post-breeding visitor to the area from the south, being most numerous in the area between July and September.

**1-9** - Actual number of recorded occurrences for those species listed as accidentals in the area.

Common Name	Habitat	Sp	S	F	W	Notes
<b>LOONS</b>						
Red-throated Loon .....					a	1
Pacific Loon .....	o	o	a	a	a	
Common Loon .....	o	r	a	o	a	
<b>GREBES</b>						
Pied-billed Grebe .....	m	u	u	u	u	b
Horned Grebe .....	o	o	a	o	o	
Eared Grebe .....	o	c	u	c	c	b+
Western Grebe .....	o	u	u	u	u	b
Clark's Grebe .....	o	u	u	u	u	b
<b>ALBATROSS</b>						
Laysan Albatross .....		a	a			1
<b>FULMARS, PETRELS AND SHEARWATERS</b>						
Cook's Petrel .....			a			1
Buller's Shearwater .....			a			1
Sooty Shearwater .....			a			2
<b>STORM-PETRELS</b>						
Leach's Storm-Petrel .....			a	a		2
Black Storm-Petrel .....				a		1
Least Storm-Petrel .....				a		1
<b>BOOBIES AND GANNETS</b>						
Blue-footed Booby .....	o			o		ep
Brown Booby .....		a		a		7
<b>PELICANS AND CORMORANTS</b>						
American White Pelican ...	oa	c	u	c	u	xb
Brown Pelican .....	o	o	r	u	o	p
Double-crested Cormorant	o	c	c	c	c	b
Olivaceous Cormorant .....			a	a	a	6
<b>FRIGATEBIRDS</b>						
Magnificent Frigatebird ....	a		o	r	a	p
<b>BITTERNS, HERONS AND EGRETS</b>						
American Bittern .....	m	r	o	u	u	
Least Bittern .....	m	r	u	r	o	b
Great Blue Heron .....	bm	c	c	c	c	b
Great Egret .....	bm	c	c	c	c	b
Snowy Egret .....	bm	c	c	c	c	b
Little Blue Heron .....	m	o	o	a	a	b+
Tricolored Heron .....	bm	o	o	a	a	
Reddish Egret .....		a	a	a		5
Cattle Egret .....	fm	c	c	c	c	b
Green-backed Heron .....	m	u	u	u	u	b
Black-crowned Night-Heron	m	c	c	c	c	b
<b>IBIS AND SPOONBILLS</b>						
White Ibis .....			a			2
White-faced Ibis .....	mf	u	u	c	c	b+
Roseate Spoonbill .....	bm	a	o	o	a	ep
<b>STORK</b>						
Wood Stork .....	bm	a	c	o	a	p
<b>WATERFOWL</b>						
Fulvous Whistling-Duck ...	m	r	r	o	a	b+
Black-bellied Whistling-Duck		a	a			6
Tundra Swan .....	om				o	
Greater White-fronted Goose	fm	a	a	r	r	

Common Name	Habitat	Sp	S	F	W	Notes
Snow Goose	fm	o	o	c	c	
Ross' Goose	fm	o	r	c	c	
Brant	om	r	o	a	a	
Canada Goose	fm	o	o	c	c	
Wood Duck	om	a	a	o	o	
Green-winged Teal	om	c	r	c	c	
Baikal Teal				a	a	1
American Black Duck				a	a	1
Mallard	om	u	o	u	u	b+
Northern Pintail	om	r	r	c	c	
Blue-winged Teal	om	r	o	r	o	
Cinnamon Teal	om	c	u	c	r	b
Northern Shoveler	om	c	r	c	c	
Gadwall	om	r	r	u	u	
Eurasian Wigeon	om				o	
American Wigeon	om	r	o	c	c	
Canvasback	o	u	o	u	c	
Redhead	o	u	u	u	u	b
Ring-necked Duck	o	o	a	o	r	
Tufted Duck				a	a	1
Greater Scaup	o	o	a	r	r	
Lesser Scaup	o	u	o	u	c	
Oldsquaw	o	o	a	a	o	
Black Scoter		a	a	a	a	3
Surf Scoter	o	r	o	o	o	
White-winged Scoter	o	o	o	o	o	
Common Goldeneye	o	o	o		u	
Barrow's Goldeneye				a	a	4
Bufflehead	o	u	o	o	u	
Hooded Merganser	o				o	
Common Merganser	o	o	a	r	r	
Red-breasted Merganser	o	u	r	r	r	
Ruddy Duck	om	c	c	c	c	b

#### VULTURES

Turkey Vulture ..... af u r u r

#### OSPREY, KITES, EAGLES AND HAWKS

Osprey ..... ao r r r r  
 Black-shouldered Kite ..... o o o o b+  
 Bald Eagle ..... ao a o a o  
 Northern Harrier ..... afm u o u c  
 Sharp-shinned Hawk ..... ars r u u u  
 Cooper's Hawk ..... ars o u u  
 Harris' Hawk ..... x b  
 Red-shouldered Hawk ..... o o  
 Broad-winged Hawk ..... a 2  
 Swainson's Hawk ..... af o  
 Zone-tailed Hawk ..... 1  
 Red-tailed Hawk ..... af u r u u  
 Ferruginous Hawk ..... af r r  
 Rough-legged Hawk ..... af o o  
 Golden Eagle ..... a a

#### FALCONS

American Kestrel ..... afh u u c c b  
 Merlin ..... af r r r r  
 Peregrine Falcon ..... am o o o o  
 Prairie Falcon ..... af r o r r

#### GALLINACEOUS BIRDS

Ring-necked Pheasant ..... f r r r r b  
 Gambel's Quail ..... s u u u u b

Common Name Habitat Sp S F W Notes

#### RAILS

Black Rail ..... m o o o o b  
 Clapper Rail ..... m r r r r b  
 Virginia Rail ..... m u r u u b  
 Sora ..... m c u c c  
 Common Moorhen ..... m u u u u b  
 American Coot ..... om c c c c b

#### CRANES

Sandhill Crane ..... f u u

#### PLOVERS

Black-bellied Plover ..... bf c u c c  
 Lesser Golden-Plover ..... bf o o o a  
 Snowy Plover ..... b u u u r b  
 Wilson's Plover ..... a a u r 1xb  
 Semipalmated Plover ..... b c o u r  
 Killdeer ..... fb c c c c b  
 Mountain Plover ..... f o u

#### OYSTERCATCHERS

American Oystercatcher ..... a 1

#### STILTS AND AVOCETS

Black-necked Stilt ..... mf c c c c b  
 American Avocet ..... m c c c c b+

#### SHOREBIRDS

Greater Yellowlegs ..... mf c o c c  
 Lesser Yellowlegs ..... mf u u r  
 Spotted Redshank ..... a a u r 1  
 Solitary Sandpiper ..... mf a o a  
 Willet ..... mf c u c c  
 Wandering Tattler ..... m o a u  
 Spotted Sandpiper ..... m u u u u  
 Whimbrel ..... mf c o c c  
 Long-billed Curlew ..... mf c u c c  
 Hudsonian Godwit ..... a a u 1  
 Marbled Godwit ..... b c u c u  
 Ruddy Turnstone ..... b r o a  
 Black Turnstone ..... b o a  
 Surfbird ..... b o a  
 Red Knot ..... b u a r o  
 Sanderling ..... b u u u o  
 Semipalmated Sandpiper ..... b o o c c  
 Western Sandpiper ..... b c o c c  
 Little Stint ..... a a u 1  
 Least Sandpiper ..... b c o c c  
 White-rumped Sandpiper ..... a a u 3  
 Baird's Sandpiper ..... b o r a  
 Pectoral Sandpiper ..... b a o o a  
 Dunlin ..... b c o c u  
 Curlew Sandpiper ..... a a u 2  
 Stilt Sandpiper ..... b r u r a  
 Ruff ..... a a u 3  
 Short-billed Dowitcher ..... b u o u c  
 Long-billed Dowitcher ..... b c o c c

#### SNIPE

Common Snipe ..... m u u r

#### PHALAROPES

Wilson's Phalarope ..... bo c o c a  
 Red-necked Phalarope ..... bo c o c a  
 Red Phalarope ..... o a o

Common Name	Habitat	Sp	S	F	W	Notes
<b>JAEGERS</b>						
Pomarine Jaeger .....		a	a	a		5
Parasitic Jaeger .....	o	a	a	r		
Long-tailed Jaeger .....				a		5
<b>GULLS AND TERNS</b>						
Laughing Gull .....	ob		c	r	o	pxb
Franklin's Gull .....	ob	r	o	r		
Little Gull .....		a		a	a	4
Bonaparte's Gull .....	ob	c	r	r	o	
Heermann's Gull .....	ob	a	o	a	a	p
Mew Gull .....	ob	o	a			
Ring-billed Gull .....	obf	c	u	c	c	
California Gull .....	obf	c	c	c	u	
Herring Gull .....	obf	r	o	u	c	
Thayer's Gull .....	ob	o	a	o	r	
Lesser Black-backed Gull				a	a	3
Yellow-footed Gull .....	ob	o	c	u	r	px
Western Gull .....	ob	o	o	o	o	x
Glaucous-winged Gull .....	ob	o	o	o	r	
Glaucous Gull .....	ob	a	a	a	o	
Black-legged Kittiwake .....		a	a	a		7
Sabine's Gull .....	o	a		o		
Gull-billed Tern .....	bf	u	u	o	a	b
Caspian Tern .....	ob	c	c	c	u	xb
Elegant Tern .....				a		1
Common Tern .....	ob	r	r	c		
Arctic Tern .....		a	c	a		6
Forster's Tern .....	ob	c	c	c	u	b
Least Tern .....	ob	o	o	a		
Black Tern .....	bf	c	c	c	a	
<b>SKIMMERS</b>						
Black Skimmer .....	b	u	u	r	a	b
<b>SEABIRDS</b>						
Ancient Murrelet .....				a		1
<b>DOVES</b>						
Rock Dove .....	h	c	c	c	c	b
Band-tailed Pigeon .....		a		a		2
Spotted Dove .....				a		1
White-winged Dove .....	sh	u	u	o	a	b
Mourning Dove .....	fsh	c	c	c	c	b
Inca Dove .....	h	r	r	r	r	bl
Common Ground-Dove .....	sh	u	u	u	u	b
<b>CUCKOOS</b>						
Yellow-billed Cuckoo .....				a		x2
Greater Roadrunner .....	sf	c	c	c	c	b
Groove-billed Ani .....				a		1
<b>OWLS</b>						
Common Barn-Owl .....	sh	r	r	r	r	b
Flammulated Owl .....				a		1
Western Screech-Owl .....	sh	r	r	r	r	bl
Great Horned Owl .....	sh			o	o	xb
Burrowing Owl .....	f	c	c	c	c	b
Long-eared Owl .....	r				o	
Short-eared Owl .....	f			o	r	
Northern Saw-whet Owl .....				a	a	2

Common Name	Habitat	Sp	S	F	W	Notes
<b>GOATSUCKERS</b>						
Lesser Nighthawk .....	fs	u	u	r	a	b
Common Poorwill .....	s			o		xb
Whip-poor-will .....				a		1
<b>SWIFTS</b>						
Black Swift .....		a				2
Vaux's Swift .....	a	c		u		
White-throated Swift .....	a	r		r	r	
<b>HUMMINGBIRDS</b>						
Black-chinned Hummingbird	h	r	r			b
Anna's Hummingbird .....	h	u	r	u	u	b
Costa's Hummingbird .....	hs	u	r	u	u	b
Calliope Hummingbird .....	hs	o				
Rufous Hummingbird .....	hs	u		r		
Allen's Hummingbird .....	h	a		o		
<b>KINGFISHERS</b>						
Belted Kingfisher .....	rm	r		u	u	
<b>WOODPECKERS</b>						
Lewis' Woodpecker .....	h	o		o	o	e
Red-headed Woodpecker .....			a			1
Acorn Woodpecker .....				a		3
Gila Woodpecker .....	h	r	r	r	r	bl
Yellow-bellied Sapsucker					a	2
Red-naped Sapsucker .....	h	a		r	r	
Red-breasted Sapsucker .....	h				o	
Ladder-backed Woodpecker	sh	u	u	u	u	b
Nuttall's Woodpecker .....				a		1
Northern Flicker .....	hs	o		u	c	
<b>FLYCATCHERS</b>						
Olive-sided Flycatcher .....	hs	r		r		
Greater Pewee .....				a		1
Western Wood-Pewee .....	hs	c		u		
Willow Flycatcher .....	hs	u		c		
Least Flycatcher .....	hs				a	1
Hammond's Flycatcher .....	hs	u		o		
Dusky Flycatcher .....	hs	o		o		
Gray Flycatcher .....	hs	r		o	a	
Western Flycatcher .....	hs	c		u		
Black Phoebe .....	hm	c	u	c	c	b
Eastern Phoebe .....				a	a	7
Say's Phoebe .....	f	r	r	c	c	xb
Vermilion Flycatcher .....	h	o	o	r	r	xb
Ash-throated Flycatcher .....	sh	u	r	u		b
Tropical Kingbird .....				a		2
Cassin's Kingbird .....	h	a		o	a	
Western Kingbird .....	fh	c	c	u	a	b
Eastern Kingbird .....		a		a		3
Scissor-tailed Flycatcher		a				1
<b>LARKS</b>						
Horned Lark .....	f	u	u	c	c	b
<b>SWALLOWS</b>						
Purple Martin .....	a	o		o		
Tree Swallow .....	a	c	o	c	c	
Violet-green Swallow .....	a	u		o	a	
Northern Rough-winged						
Swallow .....	a	c	c	o	u	b
Bank Swallow .....	a	r	o	r	a	
Cliff Swallow .....	a	c	c	o		b
Barn Swallow .....	a	c	r	c	o	b

Common Name	Habitat	Sp	S	F	W	Notes
<b>JAYS, MAGPIES AND CROWS</b>						
Scrub Jay .....	hs				o	e
American Crow .....	f			o	r	e
Common Raven .....	af	r	r	r	r	
<b>CHICKADEES AND TITMICE</b>						
Mountain Chickadee .....				a		1
<b>VERDIN</b>						
Verdin .....	s	c	c	c	c	b
<b>NUTHATCHES</b>						
Red-breasted Nuthatch ....	h	o		r	o	e
White-breasted Nuthatch ..				a		2
<b>CREEPERS</b>						
Brown Creeper .....	h			o	o	
<b>WRENS</b>						
Cactus Wren .....	s	c	c	c	c	b
Rock Wren .....	s			r	r	
Bewick's Wren .....	s			r	r	
House Wren .....	sr	r	r	u	u	
Winter Wren .....				a		4
Marsh Wren .....	m	c	c	c	c	b
<b>KINGLETS, BLUEBIRDS AND THRUSHES</b>						
Golden-crowned Kinglet ...	rh			o	o	
Ruby-crowned Kinglet ....	rsh	u		c	c	
Blue-gray Gnatcatcher ....	rs	o		u	u	
Black-tailed Gnatcatcher ..	s	u	u	u	u	b
Western Bluebird .....	sh			o	o	
Mountain Bluebird .....	f			u		e
Townsend's Solitaire .....	s			o	o	
Swainson's Thrush .....	rsh	u				
Hermit Thrush .....	rsh	r		u	u	
American Robin .....	h	r		r	u	e
Varied Thrush .....		a		a		3
<b>MOCKINGBIRDS AND THRASHERS</b>						
Northern Mockingbird ....	sh	c	c	c	c	b
Sage Thrasher .....	s	r			o	
Brown Thrasher .....					a	2
Bendire's Thrasher .....				a	a	2
Curve-billed Thrasher ....					a	4
Crissal Thrasher .....	s	r	r	r	r	b
Le Conte's Thrasher .....						xb
<b>WAGTAILS AND PIPITS</b>						
Water Pipit .....	f	r		c	c	
Sprague's Pipit .....				a		1
<b>WAXWINGS</b>						
Cedar Waxwing .....	h	u		r	u	e
<b>PHAINOPEPLA</b>						
Phainopepla .....	s	u		u	u	b
<b>SHRIKES</b>						
Northern Shrike .....					a	1
Loggerhead Shrike .....	sf	u	u	u	u	b
<b>STARLINGS AND MYNAS</b>						
European Starling .....	hf	c	c	c	c	b

Common Name	Habitat	Sp	S	F	W	Notes
<b>VIREOS</b>						
Bell's Vireo .....					a	2
Solitary Vireo .....	sh	u		r	o	
Warbling Vireo .....	sh	c		u	a	
Red-eyed Vireo .....				a		1
<b>WARBLERS</b>						
Tennessee Warbler .....		a		a		3
Orange-crowned Warbler ..	r	c		c	c	
Nashville Warbler .....	rs	c		u	a	
Virginia's Warbler .....	s	a		o		
Lucy's Warbler .....		a		a		2
Northern Parula .....					a	3
Yellow Warbler .....	rh	c		c	r	
Chestnut-sided Warbler ...				a	a	3
Magnolia Warbler .....				a	a	2
Cape May Warbler .....				a	a	2
Black-throated Blue Warbler				a	a	2
Yellow-rumped Warbler ...	rsh	c		c	c	
Black-throated Gray Warbler	sh	c		u	o	
Townsend's Warbler .....	sh	u		r	o	
Hermit Warbler .....	sh	u		r		
Prairie Warbler .....				a		1
Palm Warbler .....				a	a	8
Bay-breasted Warbler .....		a				1
Cerulean Warbler .....				a		1
Black-and-white Warbler ..	hr	o		o	o	
American Redstart .....	rh	o		r	r	
Ovenbird .....		a		a		2
Northern Waterthrush .....	r		o	o		
MacGillivray's Warbler .....	rs	u		r		
Common Yellowthroat .....	mr	u	u	u	u	b
Wilson's Warbler .....	rs	c		u	o	
Yellow-breasted Chat .....	r	o	o	o		b
<b>TANAGERS</b>						
Summer Tanager .....	h			o	a	
Western Tanager .....	hs	c		u	o	
<b>GROSBEAKS AND BUNTINGS</b>						
Pyrrhuloxia .....				a	a	3
Rose-breasted Grosbeak ..		a		a		3
Black-headed Grosbeak ...	hs	c		u		
Blue Grosbeak .....	rs	u	u	r	a	
Lazuli Bunting .....	rs	c		u		
Indigo Bunting .....		a		a		2
Dickcissel .....				a		1
<b>TOWHEES AND SPARROWS</b>						
Green-tailed Towhee .....	s	r		r	r	
Rufous-sided Towhee .....	s			r	r	
Abert's Towhee .....	s	c	c	c	c	b
American Tree Sparrow ...					a	3
Chipping Sparrow .....	h	r		r	r	
Brewer's Sparrow .....	fs	u		u	u	
Black-chinned Sparrow ...		a		a		2
Vesper Sparrow .....	f	o		r	u	
Lark Sparrow .....	fs	r		r	r	
Black-throated Sparrow ...	s			o		
Sage Sparrow .....	fs			r	u	
Lark Bunting .....	fs				o	
Savannah Sparrow .....	f	c	o	c	c	
Grasshopper Sparrow .....			a	a	a	4
Fox Sparrow .....	rs			o	o	

Common Name	Habitat	Sp	S	F	W	Notes
Song Sparrow .....	rm	u	r	u	u	b
Lincoln's Sparrow .....	rf	u		c	c	
Swamp Sparrow .....	m	o			o	
White-throated Sparrow ...	rsf				o	
Golden-crowned Sparrow ...	rsf				o	
White-crowned Sparrow ...	rsf	u		c	c	
Harris' Sparrow .....	sf				o	
Dark-eyed Junco .....	sf	o		u	u	
McCown's Longspur .....	f				o	
Lapland Longspur .....	f				o	
Chestnut-collared Longspur	f				o	
Bobolink .....			a			1

#### BLACKBIRDS, MEADOWLARKS AND ORIOLES

Red-winged Blackbird .....	fm	c	c	c	c	b
Tricolored Blackbird .....					a	2
Western Meadowlark .....	f	u	u	c	c	b
Yellow-headed Blackbird	mf	c	c	c	u	b
Brewer's Blackbird .....	fh	u	o	c	c	
Great-tailed Grackle .....	mf	u	u	u	u	b
Bronzed Cowbird .....	h	o	r			b
Brown-headed Cowbird ...	fhs	c	u	c	c	b
Orchard Oriole .....				a	a	3
Hooded Oriole .....	h	u	u		o	b
Northern Oriole .....	hrs	c	r	u	a	b
Scott's Oriole .....				a	a	3

#### FINCHES

Purple Finch .....	rh			o	o	e
Cassin's Finch .....	rh			o	o	e
House Finch .....	hs	c	c	c	c	b
Red Crossbill .....	hs	o		o	o	e
Pine Siskin .....	rsh			r	r	e
Lesser Goldfinch .....	s	u	r	u	u	b
Lawrence's Goldfinch .....	s	u		r	r	e
American Goldfinch .....	s	r		r	r	r

#### WEAVER FINCHES

House Sparrow .....	h	c	c	c	c	b
---------------------	---	---	---	---	---	---

## Mammals

All mammals listed are considered resident species with the exception of the bats which migrate on a seasonal basis like many of the birds. Families follow that of *A Field Guide to the Mammals* by Burt and Grossenheider.

#### Shrews

Desert Shrew

#### Cats

Bobcat

#### Dogs

Coyote  
Desert Kit Fox  
Gray Fox

#### Leafnose Bats

California Leafnose Bat

#### Plainnose Bats

California Myotis  
Western Pipistrel  
Big Brown Bat  
Spotted Bat  
Hoary Bat  
Western Yellow Bat  
Pallid Bat  
Long-tongued Bat

#### Freetail Bats

Mexican Freetail Bat  
Pocketed Freetail Bat  
Big Freetail Bat

#### Rabbits/Hares

Desert Cottontail  
Blacktail Jackrabbit

#### Raccoons

Raccoon

#### Squirrels/Chipmunks

Roundtail Ground Squirrel  
Antelope Ground Squirrel

#### Weasels, Skunks, Badgers

Striped Skunk  
Spotted Skunk  
Badger

#### Pocket Gophers

Valley Pocket Gopher

#### White Footed Mice

Cactus Mouse  
Deer Mouse

#### Pocket/Kangaroo Mice and Kangaroo Rats

Desert Pocket Mouse  
Little Pocket Mouse  
Desert Kangaroo Rat  
Spiny Pocket Mouse  
Merriam Kangaroo Rat  
Longtail Pocket Mouse

#### Woodrats

Desert Woodrat  
Whitethroated Woodrat

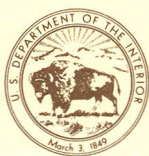
#### Voies and Muskrats

Muskrat

#### Old World Rats and Mice

House Mouse  
Black Rat  
Norway Rat





**U.S. Fish and Wildlife Service**

**Department of the Interior**

**RF11630      June 1987**