



COLORADO BREEDING BIRD ATLAS II

REPORT TO THE AUDUBON SOCIETY OF GREATER DENVER

LOIS WEBSTER FUND COMMITTEE



Photo by John Drummond.

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The Second Colorado breeding Bird Atlas would not be possible without the hundreds of volunteers who have conducted field work across the state since 2007. Your efforts cannot be overstated. Special thanks to Duane Nelson for conducting field surveys with the funding from the Audubon Society of Greater Denver’s Lois Webster Fund. I am grateful to the Atlas’s amazing group of Regional Coordinators, who have done an outstanding job at recruiting and training volunteers, reviewing data, and insuring that their regions are close to completion. They include Susan Allerton, Lori Brummer, Tim Crisler, Cheryl Day, Coen Dexter, John Drummond, Doug Faulkner, Bill Kaempfer, Randy Ghormley, Mackenzie Goldthwait, Allison Hilf, Chuck Hundertmark, Stephen Jones, Doug Kibbe, Hugh Kingery, Connie Kogler, Steve Larson, Jim Liewer, Tony Leukering, Forrest Luke, Tom McConnell, Paul Morey, Duane Nelson, Kim Potter, Brad Steger, John Toolen, Mark Yaeger, and Sherrie York. The project has been guided under the leadership of the Technical Committee, whose members include Karen Baud, John Demboski, Beth Dillon, Ted Floyd, Clint Francis, David Hanni, Aran Johnson, Hugh Kingery, David Klute, Pat Magee, Catherine Ortega, Peter Plage, Charlie Sharp, Susan Skagen, Robert Skorkowsky, Ken Strom, and John Toolen.

INTRODUCTION

The Colorado Breeding Bird Atlas II Project (COBBAI) was initiated in 2007 by the Colorado Division of Wildlife (CDOW) and the Colorado Bird Atlas Partnership (CBAP). The goal of the project is to collect, compile, and disseminate data on distribution, habitat use, and breeding phenology of avifauna breeding in Colorado. COBBAI was designed as a 5-year study; however, a sixth year will be required to complete the project successfully. Thus, the project is scheduled for completion in 2012. Data are being collected throughout Colorado per U.S. Geological Survey 7.5-minute topographic quadrangle maps (quads). There are 1,824 quads that occur entirely or partially within Colorado. Because this amounts to a very large survey area, each quad has been divided into halves vertically, and thirds horizontally, resulting in six equal blocks, with one block, the south-east (SE), designated as priority for COBBAI data. In 2011, the COBBAI Technical Committee agreed to eliminate priority blocks along the Colorado-Kansas border, because less than one-third of these priority blocks actually occur in Colorado. These eliminations resulted in a reduction in the number of priority blocks to 1,792.

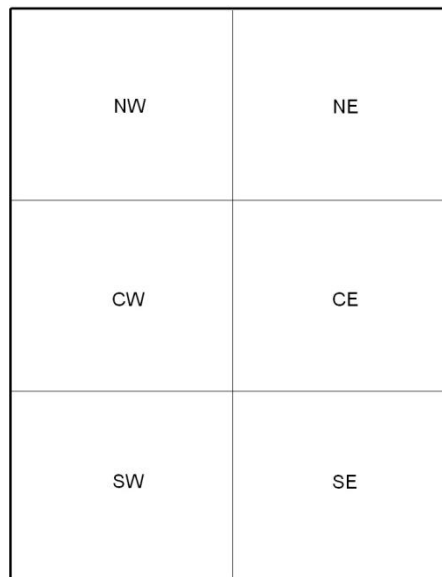


Figure 1. Topographic quad broken into six equal blocks.

The results of COBBAI will be compared to the first Colorado Breeding Bird Atlas (Kingery, Ed. 1998) and will provide information on potential changes in distribution and population status of Colorado's breeding birds. These data are important to wildlife biologists making decisions on management practices throughout Colorado. The Colorado Division of Parks and Wildlife (CDPW) is currently providing funding to the San Juan Institute of Natural and Cultural Resources (SJINCR) for administration and management of the project; however, little funding has been for fieldwork. Rather, fieldwork is being conducted primarily by volunteer birders. During the first Colorado Breeding Bird Atlas (COBBAI), completion of fieldwork was partially dependent on paid field workers. Paid atlasers were necessary because the number of priority blocks far outnumbered volunteers, and there are large portions of Colorado that are relatively unpopulated. After the fourth season (2010) of COBBAI, approximately 65% of the priority blocks in the state had been assigned to atlasers, with only 20% completed. Based on those

numbers and the distribution of project volunteers, the project manager and Technical Committee determined that paid field workers would be necessary to complete the field effort.

In 2011, I received a small grant from the Audubon Society of Greater Denver's Lois Webster Fund, to supplement the ongoing Atlas field effort. This funding would supplement the volunteer effort as well as significant funding for paid atlasers that was also obtained in 2011, from the CDPW and The USDA Forest Service (USFS). Based on the grant received, I estimated the Lois Webster Fund could provide funding to complete approximately 10 priority blocks. This report includes detailed results from atlasing conducted under the Lois Webster Fund, as well as a summary of the COBBAII effort after the fifth year of fieldwork.

METHODS

Based on the distribution of the COBBAII effort prior to 2011, I determined that southeastern Colorado, specifically COBBAII Region's 25 and 26 (Figure 2), was the area most in need of atlas data. Together, these regions encompass 176 priority blocks; however, only 75 had been assigned to volunteers and 41 completed prior to the 2011 field season (Figure 3). Thus, paid field surveys under the Lois Webster Fund and CDPW were concentrated in this area in 2011. Additional paid atlasing was also conducted on 11 USFS Forests and one USFS Grassland, as well as a variety of private and publicly-owned blocks. COBBAII volunteers also continued their atlasing efforts across the state in 2011.

Atlas surveys were conducted following the COBBAII methodology (Kingery and Leukering 2007). Atlasers typically spend between 10 and 40 hours in each priority block, depending on the diversity of habitats present, which equates to an average of three to five visits per block. For Plains blocks, however, where habitat is monotypic, atlasers may complete their surveys in one or two mornings in less than 10 hours. Most surveys occurred during the morning hours when bird activity is highest. Atlasers spent time in each different habitat type occurring in their blocks, recording bird species and behavior to determine breeding status. Species were categorized as either "Observed" or "Possible", "Probable", or "Confirmed" breeders in each block for which they were observed, based on the behavior recorded during field surveys (Table 1). For each species, atlasers also recorded the habitat for which it was observed (Appendix A). Where appropriate habitat existed for owls, nightjars, and other nocturnal or crepuscular species, atlasers conducted at least one nocturnal survey. After field work was completed, atlasers submitted their data electronically using the COBBAII's website data entry program (<http://bird.atlasing.org/Atlas/CO/>).

RESULTS

Blocks Supported by the Lois Webster Fund

In 2011, paid atlasers successfully complete 10 blocks that were targeted with Lois Webster Fund dollars. These included seven blocks in Region 25 and three in Region 26 (Table 2). A summary of the results and species list for each block are provided in Appendix B.

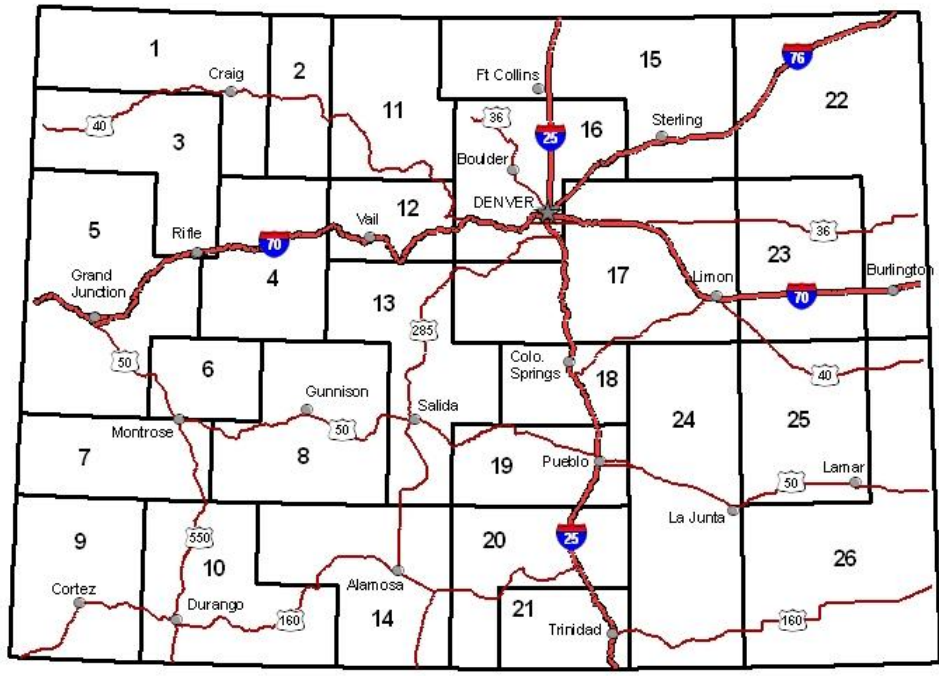


Figure 2. Colorado Breeding Bird Atlas II Regions.

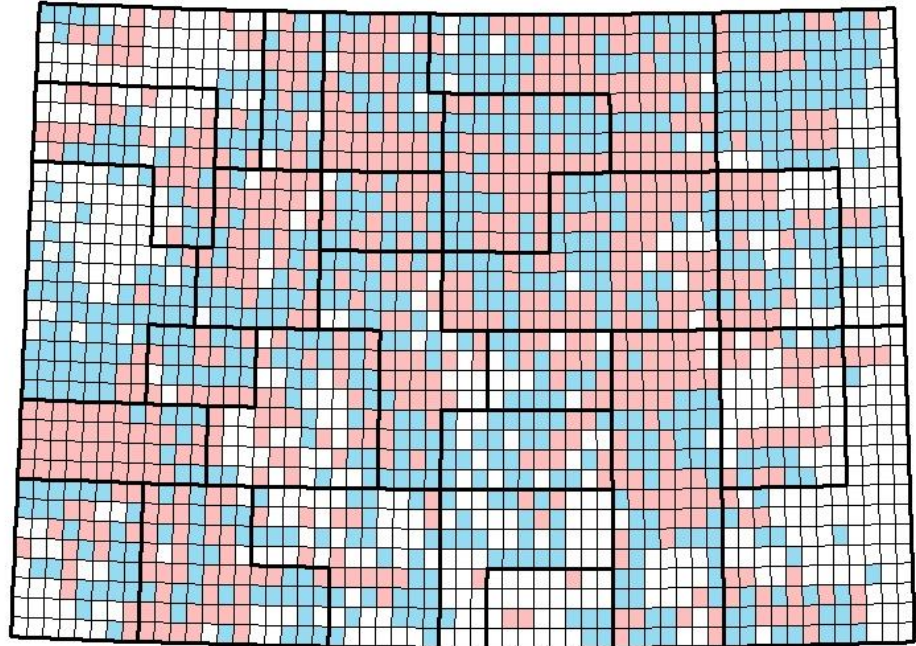
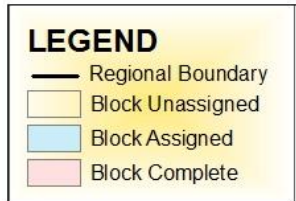


Figure 3. Distribution of Atlas blocks indicating block ownership and completeness as of January, 2011.

Table 1. Colorado Breeding Bird Atlas II breeding codes.

Breeding Code	Description of Breeding Code
<u>Observed (OB)</u>	
O	Migrants and non-breeding species observed in the block during the breeding season
<u>Possible (PO)</u>	
#	Species seen or calls heard in suitable nesting habitat during the species' breeding season
X	Singing male present in suitable nesting habitat during the species' breeding season
<u>Probable (PR)</u>	
M	Multiple males (7 or more singing males heard on one day in suitable nesting habitat)
P	Pair present in suitable nesting habitat during the species' breeding season
T	Territorial behavior indicating a breeding territory, including territory defense through song (two or more males counter-singing) or chasing, or presence of a singing male in the same location on occasions at least a week apart
C	Courtship behavior or copulation
V	Visiting probable nest site
A	Agitated behavior or anxiety calls from an adult that indicate nearby nest site and/or young
N	Nest building by Bald Eagles, Curve-billed Thrashers, or Marsh Wrens; excavation of cavities by woodpeckers; or filling cavities with twigs, etc., by Bewick's or House Wrens
<u>Confirmed (CO)</u>	
NB	Nest building or adult carrying nest material
PE	Physiological evidence (brood patches, cloacal protuberances)
DD	Distraction display or injury feigning by adult
UN	Used nest or egg shells found; only for unique and unmistakable shells or nests
FL	Recently fledged young of altricial species, or downy young of precocial species
ON	Occupied nest; adult entering and/or leaving site in circumstances suggesting an active nest or by a bird seen sitting on a nest but without determining the nest's contents
CF	Adult carrying food for nestlings or fledglings
FF	Adult feeding fledgling
FS	Adult carrying fecal sac
NE	Nest with eggs
NY	Nest with young seen or heard

Table 2. COBBAII priority blocks completed under the Lois Webster Fund in 2011.

Block Name	COBBAII Region
Bishop Ranch-SE	25
Clay Ranch-SE	26
Cornelia-SE	25
Hasty-SE	25
Higbee-SE	26
Lubers-SE	25
McIntosh Ranch-SE	25
Ninaview-SE	26
Prowers-SE	25
Tree Top Ranch-SE	25

For eight of the Lois Webster Fund blocks, the data collected during COBBAII matched or exceeded the data collected in during the first Atlas (Appendix B). Additionally, paid atlasers reported several regionally rare or uncommon species, none of which were reported in those blocks during the first Atlas. These include Golden Eagle (*Aquila chrysaetos*), Turkey Vulture (*Cathartes aura*), Ferruginous Hawk (*Buteo regalis*), Great Blue Heron (*Ardea herodias*), Black-billed Cuckoo (*Coccyzus erythrophthalmus*), Long-eared Owl (*Asio otus*), Ladder-backed Woodpecker (*Picoides scalaris*), Eastern Phoebe (*Sayornis phoebe*), Eastern Bluebird (*Sialia sialis*), Cedar Waxwing (*Bombycilla cedrorum*), and Lesser Goldfinch (*Spinus psaltria*) (Appendix B).

Statewide Results

As of 1 December 2011, 1,505 atlas priority blocks have been assigned to volunteers, and 1,148 have been completed (Figure 3). This represents a 29% increase in blocks assigned and a 93% increase in blocks completed since December of 2010 (Table 3). Since 2007, volunteers and paid atlasers have put forth over 37,000 hours of effort, and submitted over 166,000 observations. To date, we have reported 291 species statewide, confirming 258.

Comparing the progress of COBBAII to the first Atlas, we have collected data in 56% more blocks and completed 240% more blocks than at this time during the first Atlas (Table 4). Given these preliminary results, the COBBAII Technical Committee has determined that one additional year will be needed to meet or exceed the amount of data collected during the first Atlas. Thus, fieldwork will continue into 2012. The estimated date for publishing the COBBAII book is fall of 2014, with an online database to follow shortly thereafter.

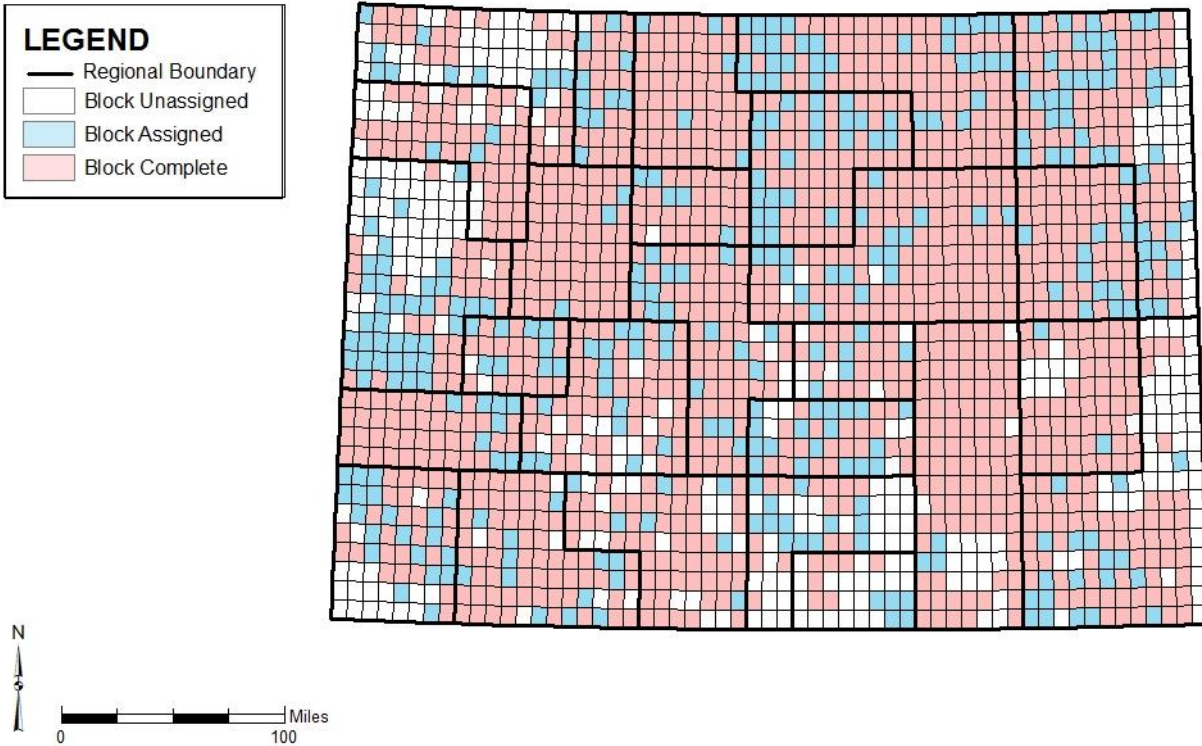


Figure 1. Map of block assignments and completion for the Colorado Breeding Bird Atlas II Project, as of 1 December 2011.

Table 3. Comparison of COBBAIL summary statistics in December of 2010 and 2011.

Summary Statistic	Dec 2010	Dec 2011	% Change
No. Blocks Assigned	1,168	1,505	+29%
No. Blocks Complete	586	1,143	+93%
No. Block Effort Hours ^b	22,653	37,365	+65%
No. Data Submissions ^b	104,018	166,546	+60%
No. Species Reported ^b	286	291	+2%
No. Species Confirmed ^b	248	258	+4%

^a Includes non-priority blocks.

Table 4. Comparison of COBBAI and COBBAIL effort per project year.

Atlas Year	<u>Blocks Worked</u>		<u>Blocks Completed</u>		<u>Effort Hours</u>	
	Atlas I	Atlas II	Atlas I	Atlas II^a	Atlas I	Atlas II
1	225	???	50	??	4,723	????
2	418	???	91	34	13,395	8,336
3	583	???	177	260	20,281	16,839
4	806	???	273	536	27,163	22,653
5	976	1,518	442	1,505	35,965	36,585
6	1,207		614		43,595	
7	1,427		927		55,246	
8	1,734		1,645		67,642	
9	1,745		1,650		68,057	

^a Approximation; not all field cards submitted to Atlas Office.

^b Exact block numbers will be calculated after all data cards are submitted.

LITERATURE CITED

Kingery, H. E. (Ed.). 1998. Colorado Breeding Bird Atlas. Colorado Bird Atlas Partnership and Colorado Division of Wildlife.
Atlas II, The Second Colorado Breeding Bird Atlas, Field Worker's Handbook. Colorado Bird Atlas Partnership, March 2007..

Table 1. Atlas habitat codes and their definitions.

CODE	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION
GRASSLANDS			
TSG	Shortgrass Prairie	Shortgrass prairie and cactus lands	Buffalograss, Blue Grama
TTG	Taller Grassland	Taller grasslands associated with riparian areas and/or sand-sage in low elevation areas	Sideoats Grama, Little Bluestem, Sand Bluestem
TTC	Cactus Grassland	Grasslands of usually taller stature with significant mixture of cholla, and often yucca	Grasses, Candalabra Cholla, Yucca
TMGB	Western Intermountain Grassland	Western Slope grasslands of usually short stature	Bluebunch Wheatgrass, Galleta, Wild Rye, Needlegrass
TMG	Montane Grassland	Grasslands at mid- and high elevations	Mountain Muhly, Fescues, Danthonias, etc.
TMXP	Mixed Grasses of Habitat Alteration	Plantings and introduced grasses (includes CRP plots)	Crested Wheatgrass, Sideoats Grama, Little Bluestem, Thistles
THF	Hayfield	Cropped fields of grasses or low-growing forbs	Timothy, Alfalfa, etc.
TAL	Alpine Tundra	Meadows and grasslands (with shrubs at times) above timberline	
SHRUBLANDS			
SBR	Sagebrush	Sage at all elevations (default category)	
SMS	Montane Sagebrush	Sagebrush in mountains and on the West Slope	Big Sagebrush, others?
SSS	Sand-sage	Sagebrush on the eastern plains	Sand-sage, Needle-and-thread, Sand Bluestem
SMT	Mat Saltbush	Low, mat-like desert shrubs (typically West Slope and San Luis Valley)	Mat Saltbush
SOS	Oak Scrub	Oak brush, tree-like oak woodlands	Gambel Oak, New Mexico Locust
SMM	Montane Shrubland	Deciduous shrublands at mid-elevations that are not oak or sage	Mountain Mahogany, Snowberry, Chokecherry Antelope Bitterbrush, Utah Serviceberry
SLE	Low-elevation Shrubland	Taller native shrublands at low elevations not defined above	Wild Plum, Skunkbrush, shrubby Willow
SMC	Mid-elevation Carr	Typically dense willow and/or alder stands, often with an overstory of riparian trees	Shrubby Willow, Thinleaf Alder, River Birch
SBC	High-elevation Carr	Typically dense willow thickets, usually lacking an overstory	Shrubby willow

CODE	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION
SKR	Krummholz	Shrubby timberline conifers, short or even prostrate	Subalpine Fir, Engelmann Spruce
STD	Tall Desert Shrubland	Semi-desert shrublands of medium to tall height and low-growing shadscale with small and medium sparse greasewood	Fourwing Saltbush, Blackbrush, Black Greasewood, Shadscale
SSL#	Logged	Logged areas with or without regenerated growth, but prior to succession to other habitats	Variety of forest and woodland stands
SBL#	Burned	Burned areas similar to SSL#	Variety of forest and woodland stands
SBT#	Beetle-killed	Beetle-killed areas similar to SSL#	Variety of forest and woodland stands
SSB	Shelterbelt	Planted stands of usually shrubby species; may also include trees	Plums, Eastern Juniper (Redcedar), Russian Olive, Austrian Pine, Honey Locust
SSBW	Wildlife Shelterbelt	Shelterbelts planted for wildlife	See SSB
SSBR	Rural Shelterbelt	Shelterbelts planted at homesteads or as 'living fences' along roadways	See SSB
WOODLANDS AND FORESTS			
LRD	Low-elevation Riparian	Native or exotic woodlands along streams or lakes	Plains Cottonwood, Fremont Cottonwood, Tamarisk, Russian Olive, Peachleaf Willow
WPJ	Piñon-Juniper Woodland	All piñon-juniper habitat, even intermixed with other trees, particularly Ponderosa Pine	Rocky Mountain Juniper, Utah Juniper (West Slope low elevations), One-seed Juniper (SE CO), Piñon Pine
WJJ	Juniper Woodland	Juniper woodland lacking Piñon Pine	Rocky Mountain Juniper
WPP	Ponderosa Pine Woodland	Open-canopy woodland dominated by Ponderosa Pine	Ponderosa Pine
WPO	Ponderosa Pine-Oak Woodland	Ponderosa Pine woodland with shrubby oak understory	Ponderosa Pine, Gambel Oak
WPOP	Ponderosa Pine-Oak Woodland, mostly pine	Ponderosa Pine-dominated woodland with some oak in the understory	See WPO
WPOO	Ponderosa Pine-Oak Woodland, mostly oak	Oak-dominated woodland with some Ponderosa Pine overstory	See WPO
FUC	Upland Coniferous Forest	Montane coniferous forests with closed canopies (default category)	Variety of tree species; dominant species not specified
FUCS	Spruce-Fir Forest	Montane coniferous forests dominated by Spruce and Fir species	Engelmann Spruce, White Fir, Sub-alpine Fir; may include other tree species
FUCD	Douglas-fir Forest	Montane coniferous forests dominated by Douglas-fir	Douglas-fir; may include other tree species

CODE	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION
FUCL	Lodgepole Pine Forest	Montane coniferous forests dominated by Lodgepole Pine	Lodgepole Pine; may include other tree species
FUCM	Mixed Coniferous Forest	Montane coniferous forests of mixed species	Douglas-fir, White Fir, Ponderosa Pine, Engelmann Spruce, Blue Spruce
FUCB	Bristlecone Pine Forest	Montane coniferous forests dominated by Bristlecone Pine	Bristlecone Pine
FUCR	Limber Pine Forest	Montane coniferous forests dominated by Limber Pine	Limber Pine
FAM	Aspen-dominated Mixed Forest	Aspen in mixed stands, but with no more than 50% conifer	Quaking Aspen; Spruces, Firs, and Pines may also occur
FAP	Large, Pure Aspen Forest	Aspen of large diameter in large, nearly pure (<5% conifer) stands	Quaking Aspen
FASD	Aspen Forest, Sudden Aspen Decline	Pure aspen stands subjected to Sudden Aspen Decline (dead)	Quaking Aspen
FRD	Riparian Deciduous Forest	Montane, deciduous riparian forests	Narrowleaf Cottonwood, Boxelder
FRC	Riparian Coniferous Forest	Montane, coniferous riparian forests	Blue Spruce, Douglas-fir
WETLANDS			
ASG	Salt Meadows	Saltgrass meadows	Prairie Cordgrass, Alkaline Cordgrass
AEM	Emergent Wetlands	Saturated soil with annual emergent vegetation	Cattails, Bulrushes, Baltic Rush, Sedges
ASU	Submerged or Floating Wetlands	Floating mats of vegetation	Pondweed, Duckweed, water lilies
ASL	Shoreline	Open shores of streams or lakes with little or no vegetation	
OWL	Open Water – Lakes & Ponds	Still, open waters without rooted vegetation	
OWS	Open Water – Rivers & Streams	Moving, open waters without rooted vegetation	
URBAN/AGRICULTURAL			
URB	Residential, Urban, Industrial	Ornamental plants, yards, feeders, urban parks, industrial areas	
RRL	Rural	Scattered farm buildings, with or without plantings	
CWD	Cultivated Woodlands	Orchards, tree farms	
CPL	Croplands	Crop fields with or without irrigation, but with growing crops	
TSU	Barren Ground	Plowed fields, blowouts, sand dunes	

CODE	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION
MSB	Bridges	Small or large bridges; includes culverts	
MSP	Poles	Power poles, transmission line towers	
MISCELLANEOUS			
MCL	Cliffs	Nearly vertical rock faces with little or no vegetation	
MBK	Dirt or Clay Banks	Natural or man-made vertical faces	
MSC	Miscellaneous	Talus, scree, rocks, hanging gardens, caves; any natural or manmade structure not included in other categories	

Bishop Ranch-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	1	6	11	24	42
Atlas I	2	17	3	3	25

SPECIES NAME	BREEDING EVIDENCE
Wood Duck (<i>Aix sponsa</i>)	Confirmed (FL)
Blue-winged Teal (<i>Anas discors</i>)	Probable (P)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Possible (#)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Possible (#)
Golden Eagle (<i>Aquila chrysaetos</i>)	Possible (#)
American Kestrel (<i>Falco sparverius</i>)	Confirmed (ON)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (DD)
Long-billed Curlew (<i>Numenius americanus</i>)	Probable (T)
Rock Pigeon (<i>Columba livia</i>)	Probable (T)
Eurasian Collared-Dove (<i>Streptopelia decaocto</i>)	Confirmed (FL)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (FL)
Great Horned Owl (<i>Bubo virginianus</i>)	Confirmed (ON)
Burrowing Owl (<i>Athene cunicularia</i>)	Confirmed (ON)
Lewis's Woodpecker (<i>Melanerpes lewis</i>)	Confirmed (ON)
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>)	Confirmed (ON)
Downy Woodpecker (<i>Picoides pubescens</i>)	Probable (T)
Western Wood-Pewee (<i>Contopus sordidulus</i>)	Observed (O)
Say's Phoebe (<i>Sayornis saya</i>)	Possible (#)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (ON)
Eastern Kingbird (<i>Tyrannus tyrannus</i>)	Confirmed (ON)
Blue Jay (<i>Cyanocitta cristata</i>)	Confirmed (NB)
Black-billed Magpie (<i>Pica hudsonia</i>)	Confirmed (CF)
Chihuahuan Raven (<i>Corvus cryptoleucus</i>)	Possible (#)
Horned Lark (<i>Eremophila alpestris</i>)	Probable (P)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (ON)
House Wren (<i>Troglodytes aedon</i>)	Probable (T)
American Robin (<i>Turdus migratorius</i>)	Confirmed (CF)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (CF)
Brown Thrasher (<i>Toxostoma rufum</i>)	Probable (T)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Yellow Warbler (<i>Setophaga petechia</i>)	Possible (X)

SPECIES NAME	BREEDING EVIDNECE
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (FS)
Lark Bunting (<i>Calamospiza melanocorys</i>)	Probable (P)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (P)
Dickcissel (<i>Spiza americana</i>)	Probable (M)
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	Confirmed (CF)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Common Grackle (<i>Quiscalus quiscula</i>)	Confirmed (CF)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Probable (P)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (UN)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (FF)

Clay Ranch-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	0	5	10	12	27
Atlas I	0	4	8	10	22

SPECIES NAME	BREEDING EVIDNECE
Northern Harrier (<i>Circus cyaneus</i>)	Possible (#)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Possible (#)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Probable (C)
Golden Eagle (<i>Aquila chrysaetos</i>)	Possible (#)
American Kestrel (<i>Falco sparverius</i>)	Possible (#)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (FL)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Eurasian Collared-Dove (<i>Streptopelia decaocto</i>)	Probable (P)
Mourning Dove (<i>Zenaida macroura</i>)	Probable (P)
Say's Phoebe (<i>Sayornis saya</i>)	Confirmed (ON)
Cassin's Kingbird (<i>Tyrannus verticalis</i>)	Probable (P)
Eastern Kingbird (<i>Tyrannus tyrannus</i>)	Confirmed (ON)
Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Confirmed (FL)
Chihuahuan Raven (<i>Corvus cryptoleucus</i>)	Confirmed (ON)
Horned Lark (<i>Eremophila alpestris</i>)	Probable (M)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (UN)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Probable (T)
Curve-billed Thrasher (<i>Toxostoma curvirostre</i>)	Probable (P)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)

SPECIES NAME	BREEDING EVIDNECE
Canyon Towhee (<i>Melozone fusca</i>)	Probable (P)
Lark Sparrow (<i>Chondestes grammacus</i>)	Probable (P)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (ON)
Brewer's Blackbird (<i>Euphagus cyanocephalus</i>)	Possible (#)
Common Grackle (<i>Quiscalus quiscula</i>)	Confirmed (ON)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Probable (M)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (UN)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (ON)

Cornelia-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	0	7	6	14	27
Atlas I	1	9	4	10	24

SPECIES NAME	BREEDING EVIDNECE
Wood Duck (<i>Aix sponsa</i>)	Probable (V)
Scaled Quail (<i>Callipepla squamata</i>)	Confirmed (FL)
American Kestrel (<i>Falco sparverius</i>)	Confirmed (ON)
Killdeer (<i>Charadrius vociferus</i>)	Possible (#)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Eurasian Collared-Dove (<i>Streptopelia decaocto</i>)	Probable (P)
Mourning Dove (<i>Zenaida macroura</i>)	Probable (P)
Common Nighthawk (<i>Chordeiles minor</i>)	Probable (C)
Say's Phoebe (<i>Sayornis saya</i>)	Possible (#)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (ON)
Blue Jay (<i>Cyanocitta cristata</i>)	Possible (#)
Chihuahuan Raven (<i>Corvus cryptoleucus</i>)	Confirmed (CF)
Horned Lark (<i>Eremophila alpestris</i>)	Probable (P)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (NB)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Possible (X)
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (CF)
Lark Bunting (<i>Calamospiza melanocorys</i>)	Possible (#)
Grasshopper Sparrow (<i>Ammodramus savannarum</i>)	Possible (#)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (P)
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	Confirmed (CF)

SPECIES NAME	BREEDING EVIDNECE
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Common Grackle (<i>Quiscalus quiscula</i>)	Confirmed (CF)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Possible (#)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (ON)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (ON)

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	5	0	8	13	26
Atlas I	0	2	8	13	23

SPECIES NAME	BREEDING EVIDNECE
Turkey Vulture (<i>Cathartes aura</i>)	Observed (O)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Confirmed (ON)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Observed (O)
Ferruginous Hawk (<i>Buteo regalis</i>)	Observed (O)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (DD)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Mourning Dove (<i>Zenaida macroura</i>)	Probable (P)
Barn Owl (<i>Tyto alba</i>)	Confirmed (ON)
Common Nighthawk (<i>Chordeiles minor</i>)	Probable (T)
Say's Phoebe (<i>Sayornis saya</i>)	Confirmed (ON)
Western Kingbird (<i>Tyrannus verticalis</i>)	Probable (P)
Chihuahuan Raven (<i>Corvus cryptoleucus</i>)	Confirmed (OU)
Horned Lark (<i>Eremophila alpestris</i>)	Confirmed (FL)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (NB)
Rock Wren (<i>Salpinctes obsoletus</i>)	Observed (O)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Probable (P)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Probable (M)
Lark Bunting (<i>Calamospiza melanocorys</i>)	Probable (P)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Brewer's Blackbird (<i>Euphagus cyanocephalus</i>)	Observed (O)
Common Grackle (<i>Quiscalus quiscula</i>)	Probable (P)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Probable (P)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (UN)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (ON)

Higbee-SE

	Number of Species				
	Observed	Possible	Probable	Confirmed	Total
Atlas II	0	20	17	26	63
Atlas I	1	13	20	21	55

SPECIES NAME	BREEDING EVIDNECE
Mallard (<i>Anas platyrhynchos</i>)	Probable (P)
Blue-winged Teal (<i>Anas discors</i>)	Probable (P)
Scaled Quail (<i>Callipepla squamata</i>)	Confirmed (ON)
Great Blue Heron (<i>Ardea herodias</i>)	Possible (#)
Turkey Vulture (<i>Cathartes aura</i>)	Possible (#)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Confirmed (ON)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Confirmed (NB)
American Kestrel (<i>Falco sparverius</i>)	Possible (#)
Killdeer (<i>Charadrius vociferus</i>)	Probable (P)
Spotted Sandpiper (<i>Actitis macularius</i>)	Possible (#)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Eurasian Collared-Dove (<i>Streptopelia decaocto</i>)	Confirmed (FL)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (ON)
Black-billed Cuckoo (<i>Coccyzus erythrophthalmus</i>)	Probable (T)
Common Nighthawk (<i>Chordeiles minor</i>)	Confirmed (DD)
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>)	Confirmed (CF)
Ladder-backed Woodpecker (<i>Picoides scalaris</i>)	Possible (#)
Western Wood-Pewee (<i>Contopus sordidulus</i>)	Possible (X)
Eastern Phoebe (<i>Sayornis phoebe</i>)	Confirmed (FL)
Say's Phoebe (<i>Sayornis saya</i>)	Confirmed (NE)
Ash-throated Flycatcher (<i>Myiarchus cinerascens</i>)	Confirmed (CF)
Cassin's Kingbird (<i>Tyrannus tyrannus</i>)	Confirmed (CF)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (NB)
Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Probable (P)
Black-billed Magpie (<i>Pica hudsonia</i>)	Possible (#)
American Crow (<i>Corvus brachyrhynchos</i>)	Possible (#)
Chihuahuan Raven (<i>Corvus cryptoleucus</i>)	Confirmed (NY)
Common Raven (<i>Corvus corax</i>)	Confirmed (ON)
Northern Rough-winged Swallow (<i>Stelgidopteryx serripennis</i>)	Possible (#)
Barn Swallow (<i>Hirundo rustica</i>)	Possible (#)

SPECIES NAME	BREEDING EVIDENCE
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (NY)
Juniper Titmouse (<i>Baeolophus ridgwayi</i>)	Possible (X)
Rock Wren (<i>Salpinctes obsoletus</i>)	Probable (T)
Canyon Wren (<i>Catherpes mexicanus</i>)	Probable (T)
Bewick's Wren (<i>Thryomanes bewickii</i>)	Confirmed (FL)
Blue-gray Gnatcatcher (<i>Polioptila caerulea</i>)	Probable (T)
Eastern Bluebird (<i>Sialia sialis</i>)	Confirmed (ON)
American Robin (<i>Turdus migratorius</i>)	Possible (X)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (ON)
Brown Thrasher (<i>Toxostoma rufum</i>)	Possible (X)
Curve-billed Thrasher (<i>Toxostoma curvirostre</i>)	Confirmed (FL)
European Starling (<i>Sturnus vulgaris</i>)	Probable (V)
Cedar Waxwing (<i>Bombycilla cedrorum</i>)	Possible (#)
Common Yellowthroat (<i>Geothlypis trichas</i>)	Probable (T)
Yellow Warbler (<i>Setophaga petechia</i>)	Probable (T)
Yellow-breasted Chat (<i>Icteria virens</i>)	Probable (M)
Rufous-crowned Sparrow (<i>Aimophila ruficeps</i>)	Probable (T)
Canyon Towhee (<i>Melospiza fusca</i>)	Confirmed (FL)
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Confirmed (NB)
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (CF)
Lark Bunting (<i>Calamospiza melanocorys</i>)	Possible (#)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (P)
Lazuli Bunting (<i>Passerina amoena</i>)	Possible (X)
Lazuli X Indigo Bunting hybrid (<i>Passerina amoena x cyanea</i>)	Probable (A)
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	Probable (T)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (FL)
Common Grackle (<i>Quiscalus quiscula</i>)	Possible (#)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Confirmed (FL)
Orchard Oriole (<i>Icterus spurius</i>)	Confirmed (CF)
Bullock's Oriole (<i>Icterus bullockii</i>)	Probable (P)
Lesser Goldfinch (<i>Spinus psaltria</i>)	Probable (P)
American Goldfinch (<i>Spinus tristis</i>)	Possible (X)
House Sparrow (<i>Passer domesticus</i>)	Possible (X)

Lubers-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	2	4	10	25	41
Atlas I	4	13	6	18	41

SPECIES NAME	BREEDING EVIDNECE
Wood Duck (<i>Aix sponsa</i>)	Probable (P)
Mallard (<i>Anas platyrhynchos</i>)	Probable (P)
Cinnamon Teal (<i>Anas cyanoptera</i>)	Probable (T)
Ring-necked Pheasant (<i>Phasianus colchicus</i>)	Probable (T)
Turkey Vulture (<i>Cathartes aura</i>)	Observed (O)
Northern Harrier (<i>Circus cyaneus</i>)	Possible (#)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Probable (P)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Possible (#)
American Kestrel (<i>Falco sparverius</i>)	Confirmed (ON)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (DD)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Eurasian Collared-Dove (<i>Streptopelia decaocto</i>)	Confirmed (ON)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (NB)
Burrowing Owl (<i>Athene cunicularia</i>)	Confirmed (ON)
Common Nighthawk (<i>Chordeiles minor</i>)	Probable (C)
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>)	Confirmed (ON)
Say's Phoebe (<i>Sayornis saya</i>)	Possible (#)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (NB)
Eastern Kingbird (<i>Tyrannus tyrannus</i>)	Probable (P)
Warbling Vireo (<i>Vireo gilvus</i>)	Confirmed (ON)
Black-billed Magpie (<i>Pica hudsonia</i>)	Confirmed (UN)
Horned Lark (<i>Eremophila alpestris</i>)	Confirmed (FL)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (ON)
House Wren (<i>Troglodytes aedon</i>)	Confirmed (ON)
American Robin (<i>Turdus migratorius</i>)	Confirmed (CF)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (CF)
Brown Thrasher (<i>Toxostoma rufum</i>)	Probable (T)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Common Yellowthroat (<i>Geothlypis trichas</i>)	Probable (T)

SPECIES NAME	BREEDING EVIDNECE
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Possible (X)
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (FS)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (P)
Dickcissel (<i>Spiza americana</i>)	Probable (M)
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	Confirmed (FF)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Yellow-headed Blackbird (<i>Xanthocephalus xanthocephalus</i>)	Observed (O)
Common Grackle (<i>Quiscalus quiscula</i>)	Confirmed (CF)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Confirmed (FL)
Orchard Oriole (<i>Icterus spurius</i>)	Confirmed (NB)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (ON)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (ON)

McIntosh Ranch-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	0	8	12	19	39
Atlas I	3	18	6	4	31

SPECIES NAME	BREEDING EVIDNECE
Wood Duck (<i>Aix sponsa</i>)	Probable (P)
Mallard (<i>Anas platyrhynchos</i>)	Probable (P)
Cinnamon Teal (<i>Anas cyanoptera</i>)	Probable (T)
Ring-necked Pheasant (<i>Phasianus colchicus</i>)	Probable (T)
Turkey Vulture (<i>Cathartes aura</i>)	Observed (O)
Northern Harrier (<i>Circus cyaneus</i>)	Possible (#)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Probable (P)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Possible (#)
American Kestrel (<i>Falco sparverius</i>)	Confirmed (ON)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (DD)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Eurasian Collared-Dove (<i>Streptopelia decaocto</i>)	Confirmed (ON)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (NB)
Burrowing Owl (<i>Athene cunicularia</i>)	Confirmed (ON)
Common Nighthawk (<i>Chordeiles minor</i>)	Probable (C)
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>)	Confirmed (ON)
Say's Phoebe (<i>Sayornis saya</i>)	Possible (#)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (NB)
Eastern Kingbird (<i>Tyrannus tyrannus</i>)	Probable (P)
Warbling Vireo (<i>Vireo gilvus</i>)	Confirmed (ON)
Black-billed Magpie (<i>Pica hudsonia</i>)	Confirmed (UN)
Horned Lark (<i>Eremophila alpestris</i>)	Confirmed (FL)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (ON)
House Wren (<i>Troglodytes aedon</i>)	Confirmed (ON)
American Robin (<i>Turdus migratorius</i>)	Confirmed (CF)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (CF)
Brown Thrasher (<i>Toxostoma rufum</i>)	Probable (T)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Common Yellowthroat (<i>Geothlypis trichas</i>)	Probable (T)

SPECIES NAME	BREEDING EVIDNECE
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Possible (X)
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (FS)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (P)
Dickcissel (<i>Spiza americana</i>)	Probable (M)
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	Confirmed (FF)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Yellow-headed Blackbird (<i>Xanthocephalus xanthocephalus</i>)	Observed (O)
Common Grackle (<i>Quiscalus quiscula</i>)	Confirmed (CF)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Confirmed (FL)
Orchard Oriole (<i>Icterus spurius</i>)	Confirmed (NB)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (ON)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (ON)

Ninaview-SE

Number of Species					
	Observed	Possible	Probable	Confirmed	Total
Atlas II	2	6	8	19	35
Atlas I	0	14	13	4	31

SPECIES NAME	BREEDING EVIDNECE
Scaled Quail (<i>Callipepla squamata</i>)	Probable (P)
Northern Harrier (<i>Circus cyaneus</i>)	Observed (O)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Confirmed (NY)
American Kestrel (<i>Falco sparverius</i>)	Possible (#)
Prairie Falcon (<i>Falco mexicanus</i>)	Possible (#)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (DD)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (FL)
Long-eared Owl (<i>Asio otus</i>)	Possible (#)
Common Nighthawk (<i>Chordeiles minor</i>)	Confirmed (DD)
Ladder-backed Woodpecker (<i>Picoides scalaris</i>)	Confirmed (ON)
Say's Phoebe (<i>Sayornis saya</i>)	Possible (#)
Ash-throated Flycatcher (<i>Myiarchus cinerascens</i>)	Confirmed (ON)
Cassin's Kingbird (<i>Tyrannus vociferans</i>)	Confirmed (NB)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (ON)
Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Confirmed (CF)
Western Scrub-Jay (<i>Aphelocoma californica</i>)	Probable (T)
Chihuahuan Raven (<i>Corvus cryptoleucus</i>)	Confirmed (UN)
Common Raven (<i>Corvus corax</i>)	Probable (P)
Horned Lark (<i>Eremophila alpestris</i>)	Confirmed (FL)
Barn Swallow (<i>Hirundo rustica</i>)	Possible (#)
Juniper Titmouse (<i>Baeolophus ridgwayi</i>)	Probable (P)
Rock Wren (<i>Salpinctes obsoletus</i>)	Confirmed (UN)
Bewick's Wren (<i>Thryomanes bewickii</i>)	Probable (P)
American Robin (<i>Turdus migratorius</i>)	Observed (O)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (DD)
Brown Thrasher (<i>Toxostoma rufum</i>)	Possible (#)
Curve-billed Thrasher (<i>Toxostoma curvirostre</i>)	Confirmed (FL)
Canyon Towhee (<i>Melospiza fusca</i>)	Probable (P)
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Confirmed (CF)
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (NE)
Blue Grosbeak (<i>Passerina caerulea</i>)	Confirmed (NB)

SPECIES NAME	BREEDING EVIDENCE
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Probable (T)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (FF)
Lesser Goldfinch (<i>Spinus psaltria</i>)	Probable (P)

Prowers-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
2007-11	3	2	4	11	20
1987-94	2	2	5	11	20

SPECIES NAME	BREEDING EVIDNECE
Scaled Quail (<i>Callipepla squamata</i>)	Confirmed (FL)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Confirmed (UN)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Observed (O)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (ON)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (ON)
Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Possible (#)
Horned Lark (<i>Eremophila alpestris</i>)	Confirmed (FL)
Barn Swallow (<i>Hirundo rustica</i>)	Possible (#)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Observed (O)
Rock Wren (<i>Salpinctes obsoletus</i>)	Observed (O)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (ON)
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Cassin's Sparrow (<i>Peucaea cassinii</i>)	Probable (M)
Lark Sparrow (<i>Chondestes grammacus</i>)	Probable (M)
Lark Bunting (<i>Calamospiza melanocorys</i>)	Probable (P)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (P)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (CF)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (UN)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (ON)

Tree Top Ranch-SE

Number of Species

	Observed	Possible	Probable	Confirmed	Total
Atlas II	1	11	6	22	40
Atlas I	7	21	10	14	52

SPECIES NAME	BREEDING EVIDNECE
Wood Duck (<i>Aix sponsa</i>)	Confirmed (FL)
Mallard (<i>Anas platyrhynchos</i>)	Probable (P)
Wild Turkey (<i>Meleagris gallopovo</i>)	Possible (#)
Turkey Vulture (<i>Cathartes aura</i>)	Observed (O)
Northern Harrier (<i>Circus cyaneus</i>)	Possible (#)
Swainson's Hawk (<i>Buteo swainsoni</i>)	Possible (#)
Red-tailed Hawk (<i>Buteo jamaicensis</i>)	Confirmed (NB)
Golden Eagle (<i>Aquila chrysaetos</i>)	Possible (#)
American Kestrel (<i>Falco sparverius</i>)	Confirmed (ON)
Killdeer (<i>Charadrius vociferus</i>)	Confirmed (DD)
Spotted Sandpiper (<i>Actitis macularius</i>)	Possible (#)
Long-billed Curlew (<i>Numenius americanus</i>)	Possible (#)
Rock Pigeon (<i>Columba livia</i>)	Confirmed (ON)
Eurasian Collared-dove (<i>Streptopelia decaocto</i>)	Probable (P)
Mourning Dove (<i>Zenaida macroura</i>)	Confirmed (NY)
Great Horned Owl (<i>Asio otus</i>)	Probable (T)
Common Nighthawk (<i>Chordeiles minor</i>)	Possible (#)
Red-headed Woodpecker (<i>Melanerpes erythrocephalus</i>)	Confirmed (ON)
Downy Woodpecker (<i>Picoides pubescens</i>)	Confirmed (UN)
Northern Flicker (<i>Colaptes auratus</i>)	Possible (#)
Western Wood-pewee (<i>Contopus sordidulus</i>)	Possible (#)
Say's Phoebe (<i>Sayornis saya</i>)	Possible (#)
Western Kingbird (<i>Tyrannus verticalis</i>)	Confirmed (DD)
Loggerhead Shrike (<i>Lanius ludovicianus</i>)	Confirmed (CF)
Warbling Vireo (<i>Vireo gilvus</i>)	Confirmed (ON)
American Crow (<i>Corvus brachyrhynchos</i>)	Possible (#)
Barn Swallow (<i>Hirundo rustica</i>)	Confirmed (ON)
Cliff Swallow (<i>Petrochelidon pyrrhonota</i>)	Confirmed (ON)
American Robin (<i>Turdus migratorius</i>)	Confirmed (CF)
Northern Mockingbird (<i>Mimus polyglottos</i>)	Confirmed (CF)

SPECIES NAME	BREEDING EVIDENCE
European Starling (<i>Sturnus vulgaris</i>)	Confirmed (ON)
Yellow Warbler (<i>Sentophaga petechia</i>)	Probable (P)
Lark Sparrow (<i>Chondestes grammacus</i>)	Confirmed (CF)
Blue Grosbeak (<i>Passerina caerulea</i>)	Probable (M)
Red-winged Blackbird (<i>Agelaius phoeniceus</i>)	Confirmed (FF)
Western Meadowlark (<i>Sturnella neglecta</i>)	Confirmed (FL)
Common Grackle (<i>Quiscalus quiscula</i>)	Confirmed (CF)
Brown-headed Cowbird (<i>Molothrus ater</i>)	Probable (P)
Orchard Oriole (<i>Icterus spurius</i>)	Confirmed (ON)
Bullock's Oriole (<i>Icterus bullockii</i>)	Confirmed (UN)
House Sparrow (<i>Passer domesticus</i>)	Confirmed (FL)