

PLAYA LAKES JOINT VENTURE

***Area Implementation Plan
for the
Shortgrass Prairie
Bird Conservation Region (18)
of New Mexico***



PLAYA LAKES
JOINT VENTURE

April 2008

APPROVALS


By adopting this plan, PLJV New Mexico partners signify:

- Endorsement of the planning process used to develop these habitat conservation recommendations.
- Intent to begin working towards the habitat recommendations contained herein, and to develop the capacity to deliver habitat conservation at the scale needed.
- Intent to develop and support evaluation initiatives (testing assumptions inherent in the planning process) to facilitate re-planning and improvements to the habitat recommendations.

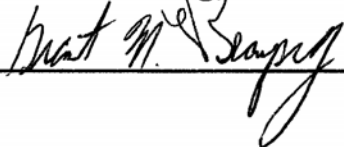
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TABLE OF CONTENTS

APPROVALS	2
CONTACTS	2
EXECUTIVE SUMMARY	4
BACKGROUND AND INTRODUCTION	5
Goal, Purpose, and Intended Audience	5
Plan Format	5
General Planning Approach	6
Implementation Timeframe	6
Decision Support Tools	6
Relationship of this Plan to other PLJV Biological Planning Reports	6
Related Bird or Habitat Plans for this Area	7
Plan Updates	8
NONBREEDING BIRDS	8
Waterfowl	8
Shorebirds – Wetland Guild	9
Shorebirds - Upland Guild	10
Waterbirds	10
BREEDING BIRDS	11
Grassland Guild	12
Riparian Guild	14
Shrubland Guild	15
INTEGRATED BIRD HABITAT RECOMMENDATIONS	16
Arroyo	16
Badlands/Cliffs/Outcrops	16
Cropland	17
CRP	17
Mesquite Savannah	17
Mixed Grass	17
Other	17
Other Wetlands	18
Pinyon/Juniper	18
Playa	18
Ponderosa Pine	19
Reservoirs, Lakes, and Ponds	19
Riverine Systems	19
Sand Sage	19
Shinnery	20
Shortgrass	20
RECOMMENDED READING	20
GUIDELINES FOR INTERPRETING THE TABLES	21
Table 1	24
Table 2	28
Table 3	39
Figure 1	41

EXECUTIVE SUMMARY

This Plan presents habitat management recommendations that, if implemented, should allow priority bird species to reach and sustain objective levels in the Shortgrass Prairie Bird Conservation Region of New Mexico. The goal of this plan is to *“Determine the quantity, quality, and distribution of habitat needed to maintain bird numbers at levels that satisfy socio-economic desires.”* Management recommendations in this plan are intended to direct attention and resources toward habitats and habitat management actions that are most important for priority bird species. This plan also may help identify new habitat programs or changes to existing programs that are needed to deliver conservation at a scale sufficient to produce positive changes in bird numbers. The primary audience for this plan is habitat program managers and field delivery staff.

The following recommendations represent the major habitat actions (i.e., conversion, restoration, management) needed to bring priority birds to desired levels. Priority bird species that are expected to increase to goal levels as a result of the actions are shown in parentheses, with the primary “driver” species in bold.

- Convert all non-native CRP to native grass mixtures (**Lesser Prairie-Chicken** and other birds)
- Reconfigure CRP on the landscape so that 309,675 additional acres contributes to large blocks of habitat (**Lesser Prairie-Chicken**)
- Convert 1,374,036 acres of mesquite to savannah habitat (**Cassin’s Sparrow**)
- Restore 20,769 acres of sand sage, in Union and/or Colfax counties (**Brewer’s Sparrow**)
- Reconfigure sand sage on the landscape so that 53,195 additional acres contribute to large blocks of habitat (**Lesser Prairie-Chicken**)
- Reconfigure shinnery on the landscape so that 486,302 additional acres contributes to large blocks of habitat (**Lesser Prairie-Chicken**)
- Manage 2,154,767 acres of shortgrass prairie in the eastern tier of counties for few shrubs and high grass (**Grasshopper Sparrow**)
- Manage 431,811 acres of shortgrass prairie for few shrubs and high grass within the northeastern quadrant of the state, primarily in Harding and Union counties (**Lark Bunting**)
- Manage 1,113,203 acres of shortgrass prairie for few shrubs and a heterogeneous mix of grass heights and focus it on the landscape to make large blocks of habitat (**Long-billed Curlew**)
- Manage 261,791 acres of shortgrass prairie for few shrubs and low grass in northeastern New Mexico (**Mountain Plover**)
- Manage 10,691 acres of playas using moist-soil techniques (**shorebirds, waterfowl**)

Other important actions to preserve the function of existing habitats also are needed, and are recommended in this Plan. These recommendations are intended for implementation over a 30-year timeframe (2007-2037). Implementing these actions within this timeframe will be a major undertaking, requiring greater commitments of human and fiscal resources in the future than has occurred in the past. By adopting these objectives, we hope and expect that PLJV partners are inspired to redouble their efforts towards bird habitat conservation and management.

BACKGROUND AND INTRODUCTION

This Area Implementation Plan (AIP) is an end product of the PLJV biological planning process. It presents habitat management recommendations that, if implemented, should allow priority bird species to reach and sustain objective levels as prescribed by the four national/continental bird conservation initiatives (*North American Waterfowl Management Plan*, *U. S. Shorebird Conservation Plan*, *Waterbird Conservation for the Americas*, and *Partners in Flight*).

Goal, Purpose, and Intended Audience

The goal of this plan is consistent with the goal of PLJV biological planning: ***“Determine the quantity, quality, and distribution of habitat needed to maintain bird numbers at levels that satisfy socio-economic desires.”*** Management recommendations in this plan are intended to direct attention and resources toward habitats and habitat management actions that are most important for priority bird species. This plan also may help identify new habitat programs or changes to existing programs that are needed to deliver conservation at a scale sufficient to produce positive changes in bird numbers. The primary audience for this plan is habitat program managers and field delivery staff.

Plan Format

Habitat management recommendations in this plan are grouped as follows. First, we present recommendations for nonbreeding birds (waterfowl, shorebirds, and waterbirds) and breeding birds (by guild; e.g., grassland birds). In these sections we discuss priority species, abundance trends, seasonal importance of the Area, important habitats and threats to those habitats, abundance targets, planning approach, results of carrying capacity analyses, and specific habitat management recommendations and justification. Details of the carrying capacity analysis are shown in Tables 1 and 2 for all priority species/guilds, including estimated current carrying capacity, and expected carrying capacity after the habitat recommendations are implemented. These sections should be of interest to readers interested in specific birds or bird groups.

Next, we present integrated bird habitat recommendations by habitat. In these sections we explain which birds benefit from recommended management actions, and how birds may be increased or maintained by implementing those actions. We also summarize estimated current habitat acreages, and desired future acreages, in Table 3. These sections should be of interest to readers wanting to know the implications of management actions in a specific habitat to all priority birds.

General Planning Approach

Briefly, we used a process based on principles of *Strategic Habitat Conservation* (USFWS and USGS 2006) to develop habitat management recommendations in this plan. In general, we developed (1) bird abundance targets that are stepped-down from continental objectives in the bird initiatives, and (2) *habitat* objectives that are linked biologically to the abundance targets.

More specifically, we used the following model to estimate current carrying of each habitat for each priority bird species:

$$\text{Birds} = \text{Acres of habitat} * \text{habitat availability factor} * \text{habitat suitability factor} * \text{large block factor} * \text{bird density}$$

The estimated number of birds supported in each habitat is summed, and compared to the bird abundance target. This process quantifies the importance of each habitat to each species. It also quantifies current carry capacity relative to desired carrying capacity, which allows crafting specific habitat acreage recommendations to bring a species to desired levels.

Habitat recommendations herein are only as good as the model inputs used to develop them. Readers interested in providing information to update the model inputs and resulting habitat recommendations are encouraged to contact the PLJV.

Implementation Timeframe

These recommendations are intended for implementation over a 30-year timeframe (2007 – 2037), although some management actions may require longer intervals to develop desired conditions (e.g., creating late successional riparian forest).

Decision Support Tools

The biological planning results and recommendations in this plan are intended to address the question of whether there is enough habitat (in the right quantity and quality) to support desired levels of birds. Another aspect of the planning process (beyond the scope of this plan) can be to delineate specific places on the landscape where habitat work can best benefit priority species. PLJV staff is available to work with partners to develop spatial models and maps (“decision support tools”) as needed. Habitat program managers with specified funding levels, priority species, habitats, or project areas are encouraged to contact PLJV staff to begin developing these tools for targeting habitat dollars for maximum benefit.

Relationship of this Plan to other PLJV Biological Planning Reports

This plan presents detailed habitat recommendations for the Area. It is beyond the scope of this plan to present all the details of the planning process. Some users may want to consult sources of additional information relevant to PLJV biological planning in general, and specifically to the habitat recommendations in this plan:

- *Implementation Planning Guide* (PLJV 2007a). This document describes the PLJV's general approach to biological planning, and describes in detail the *Hierarchical All Bird System* (HABS) database. This database stores the biological data used to model the current carrying capacity of the PLJV for priority birds (e.g., Tables 1 and 2), and to design a landscape that supports desired numbers of all priority bird species.
- *Habitat Assessment Procedures* (PLJV 2006c). This document describes the PLJV's habitat classification system and procedures for estimating acreages of important habitats as shown in this plan (Tables 1 - 3). These acreages were determined from the PLJV's GIS database and additional non-spatial data.
- *Planning Team Reports for Waterfowl* (PLJV 2007b), *Shorebirds* (PLJV 2007c), *Waterbirds* (PLJV 2006b), and *Landbirds* (PLJV 2007d). These reports present details on priority species selection, determining important seasonal use periods, developing abundance and vital rate targets, determining limiting factors, and describing the planning approach used to develop habitat objectives. Consult these reports for background and justification for the carrying capacity model parameters shown in Tables 1 and 2.

Related Bird or Habitat Plans for this Area

The Comprehensive Wildlife Conservation Strategy for New Mexico was completed in 2006 and focuses upon Species of Greatest Conservation Need (SGCN), key wildlife habitats, and overcoming the challenges affecting the conservation of both. The overriding desired outcome is that New Mexico's key habitats persist in the condition, connectivity, and quantity necessary to sustain viable and resilient populations of resident SGCN and host a variety of land uses with reduced resource use conflicts. It is a strategic plan intended as a blueprint to guide collaborative and coordinated wildlife conservation initiatives involving NMDGF, local, state, federal, and tribal governments, non-governmental organizations (NGOs) and interested individuals.

The Bureau of Land Management, Pecos District Office, has prepared a Draft Resource Management Plan Amendment (RMPA) and Environmental Impact Statement (EIS) which address alternative resource management plans and the impacts of those plans for managing habitat for special status species such as the lesser prairie chicken in portions of Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico on lands administered by the BLM.

In 2005, the New Mexico LPC/SDL Working Group prepared the "Collaborative Conservation Strategies for the Lesser Prairie-Chicken and Sand Dune Lizard in New Mexico" which outlines a comprehensive approach for reducing biological threats to these two candidate species for listing under the Endangered Species Act, while protecting economic values and traditional land uses in portions of Quay, DeBaca, Curry, Chaves, Roosevelt, Eddy, and Lea counties.

Plan Updates

Consistent with the principles of adaptive management, this plan is intended to be dynamic. It will be updated as new bird and habitat information becomes available, to accommodate changes in strategic direction for habitat conservation, or as otherwise desired by PLJV partners and staff. Interested users of this plan should check the PLJV web site (www.pljv.org) for updates.

NONBREEDING BIRDS

Waterfowl

This Area is primarily important to migrating and wintering waterfowl. Although several species of waterfowl also breed in the Area, they are at low densities relative to primary waterfowl breeding areas. During the nonbreeding seasons, waterfowl must obtain enough food resources to maintain body condition during winter, and increase body condition during fall and spring for subsequent migration. Studies have shown that birds in better body condition survive at higher rates during the nonbreeding seasons. Waterfowl can best meet energetic and nutritional needs through native foods provided in wetland habitats. Agricultural habitats also are used, especially when wetlands are unavailable due to drought, ice cover, etc.

Playas are the predominant wetland type in the Area (estimated acreage approx. 35,333). Rainfall patterns in the region tend to produce more wet playas during fall than spring. Studies have shown that the hydroperiod of playas in this region has been greatly reduced due to sedimentation (primarily water-induced erosion from adjacent croplands). Many playas are pitted to concentrate water for irrigation or livestock, which reduces shallow water foraging habitat. Further, stands of tall, dense, non-native grasses within CRP fields encompass many playas and restrict overland water flow to the basins. Also, supplemental water flow to playas has been reduced due to more efficient cropland irrigation technologies. Combined, these factors have reduced playa hydroperiods, resulting in reductions in playa foraging habitat for waterfowl. Livestock grazing in playas reduces production of valuable seeds of moist-soil plants.

Priority waterfowl species for this Area include Northern Pintail, Mallard, and Canada Goose (Shortgrass Prairie Population) for the nonbreeding seasons only. However, the PLJV used a bioenergetics approach to habitat conservation planning, which assumes foraging habitat is the primary factor limiting waterfowl abundance, body condition, and survival. This approach assesses foraging habitat availability versus energetic demands of priority species and all other waterfowl species common to the region. Therefore, habitat needs of all nonbreeding waterfowl species are included in the habitat recommendations.

Waterfowl abundance targets for the Area include approximately 57,000 ducks and 17,000 geese during midwinter (early January). For bioenergetics planning purposes, waterfowl abundance

targets were translated to “use-days” for three seasons during the nonbreeding period: fall (Sep. – mid-Dec.), winter (mid-Dec. – Jan.), and spring (Feb. – Apr.) Use-day targets are approximately 8.5 million for fall, 4.7 million for winter, and 20.1 million for spring.

The top three wetland foraging habitats are saline wetlands (estimated 3,794 acres), playas (estimated 35,333 acres), and emergent marshes (estimated 484 acres) (Table 1). Habitat assessments and bioenergetics modeling suggested that existing foraging habitats in this Area can support the abundance targets in fall and winter but not spring (Table 1). For spring, we estimated the Area can support only about 42% of the use-day objective (approx. 11.6 million use-day deficit).

This Area needs additional wetland foraging habitat to support its waterfowl objectives. To accomplish this, we recommend moist-soil management of playas. This strategy is proven to sharply increase the foraging carrying capacity of playas for waterfowl compared to unmanaged playas. We estimate that 2,756 acres of moist-soil managed playas will recover the foraging habitat deficit for spring.

Further, we recommend additional management actions to restore degraded playas, protect functioning playas from degradation, and enhance foraging value for waterfowl. First, install grass buffers on playas located in cropland. Buffer width, species composition, and management should be carefully considered to protect playas from sedimentation yet allow overland water flow to reach the basin. Also, fill pits and remove excessive accumulated sediment from playas. Install fences around playa basins to manage livestock grazing. Consider double-fencing (a fence around the playa basin and another around the upland buffer) to allow grazing in the uplands while protecting moist-soil plants for waterfowl, and provide alternative sources for livestock water. Avoid fencing playas in areas known to be occupied by Lesser Prairie-Chickens to reduce collision risks.

Shorebirds – Wetland Guild

Migratory shorebirds use this Area primarily from July through October for fall migration, and from April through May for spring migration. During migration, shorebirds must obtain enough food resources to maintain and increase body condition. Most migratory shorebirds meet energetic and nutritional needs primarily through invertebrate foods obtained in wetland habitats, although other foods are used (e.g., some seeds).

Priority shorebirds in this guild include Snowy Plover, Piping Plover, American Avocet, Long-billed Curlew, Hudsonian Godwit, Semipalmated Sandpiper, Least Sandpiper, White-rumped Sandpiper, Baird’s Sandpiper, Pectoral Sandpiper, Stilt Sandpiper, and Long-billed Dowitcher. The PLJV used a bioenergetics approach to habitat conservation planning, which assumes foraging habitat is the primary factor limiting shorebird abundance, body condition, and survival. This approach assesses foraging habitat availability versus energetic demands of priority species and all other migrant shorebird species (approx. 30 total species) common to the region. Therefore, habitat needs of all migrant, wetland-foraging shorebird species were considered during habitat conservation planning.

Existing shorebird survey data for this Area were used to develop an abundance target of approximately 2.3 million use-days, which includes abundance increases recommended in the U. S. Shorebird Conservation Plan. The top three shorebird foraging habitats are saline wetlands (estimated 3,794 acres), playas (estimated 35,333 acres), and reservoirs (estimated 28,497 acres) (Table 1). Habitat assessments and bioenergetics modeling suggested that existing wetland habitats in this Area can support only about 10% of this abundance target (approx. 2.0 million use-day deficit).

This Area needs additional wetland foraging habitat to support its migrant shorebird objectives. To accomplish this, we recommend moist-soil management of playas. This strategy is proven to sharply increase the invertebrate production of playas compared to unmanaged playas. We estimate that 10,691 acres of moist-soil managed playas will recover the foraging habitat deficit. Mowing and/or grazing should be used (prior to flooding with very shallow water) to reduce vegetative cover and provide optimum habitat suitability. This acreage could be managed in a combined program for shorebirds and waterfowl (see Waterfowl section).

Further, we recommend additional management actions to restore degraded playas, protect functioning playas from degradation, and enhance foraging value for shorebirds. First, install grass buffers on playas located in cropland. Buffer width, species composition, and management should be carefully considered to protect playas from sedimentation yet allow overland water flow to reach the basin. Also, fill pits and remove excessive accumulated sediment from playas. Manage playas for short, sparse vegetation through grazing, burning, mowing, etc.

Saline wetlands should be restored by controlling exotic hydrophytes, and by retiring nearby cropland from irrigation in wetlands where spring flows have declined. Saline wetlands vulnerable to oil and gas development should be protected through acquisition or conservation easements (including mineral rights).

Shorebirds - Upland Guild

Two priority shorebird species, American Golden-Plover and Buff-breasted Sandpiper, forage in wetlands during migration, but also forage extensively in upland habitats (short-stature grasslands and cropland). These species are relatively uncommon compared to other shorebird species, which is reflected in the relatively low abundance target of only 1,183 use-days. Important upland habitats for these species include croplands (alfalfa, pasture, and sod farms), CRP, and short- and mixed-grass prairie. Although the proportion of these habitats estimated to be suitable for these species was low, there are large acreages within this Area. Carrying capacity modeling suggested there is sufficient habitat to support the use-day objective (Table 1). Therefore, this plan contains no specific habitat recommendations for this guild.

Waterbirds

Priority nonbreeding waterbirds include Eared Grebe, Western Grebe, American White Pelican, Sandhill Crane, Whooping Crane, Franklin's Gull, Forster's Tern, and Black Tern. Similar to waterfowl and shorebirds, nonbreeding waterbirds must obtain enough food resources to maintain body condition during winter, and increase body condition during fall and spring for subsequent migration. Waterbirds meet energetic and nutritional needs primarily through foods provided in wetland and aquatic habitats, although agricultural habitats also are used, especially by cranes and sometimes by gulls.

The Area hosts migrating Sandhill Cranes; abundance targets were developed by stepping down objectives from the *Central Flyway Plan* for Midcontinent Population Sandhill Cranes. The Sandhill Crane abundance target is approx. 233,000 use-days in fall, 32,000 in winter, and 33,000 in spring. In this Area, the most important wetland types for cranes are saline wetlands (estimated 3,794 acres), playas (estimated 35,333 acres), and emergent marshes (estimated 484 acres) (Table 1).

Habitat assessments and bioenergetics modeling suggested that this Area can support the use-day objectives for cranes during all seasons (Table 1). However, the degraded and declining state of many wetlands important to cranes calls for restoration and protection efforts. For playas and saline wetlands, restoration and protection recommendations described above for waterfowl and shorebirds also will benefit cranes.

For other priority waterbird species (grebes, pelicans, gulls, and terns), we lacked any meaningful information to relate abundance and/or vital rates to habitat conditions. Therefore, we defer developing abundance targets and habitat objectives for these species until such information becomes available. However, we note that conservation recommendations were made for wetland habitats used by these species during the PLJV planning process for nonbreeding shorebirds and cranes. Until more explicit planning can be conducted, we assume that fulfilling habitat needs for shorebirds and cranes will also fulfill habitat needs for other nonbreeding waterbirds.

BREEDING BIRDS

In addressing needs of priority landbirds for this Area, the PLJV assumed that providing the habitat needs for breeding landbirds would also provide the habitat needs for migrant and wintering landbirds. Secondly, we assumed that appropriate breeding habitat was the primary limiting factor for breeding birds. The planning approach assigned a density to each condition of every habitat that a priority species occupied, developed an estimation of current carrying capacity for each priority species, evaluated trends in the BCR to determine those species with statistically significant declining trends from Breeding Bird Survey (BBS) data (Sauer et al. 2005), and then used those trends to determine a number of birds needed to bring a species up to goal, by calculating the birds lost over the last thirty years and adding to the current estimated carrying capacity. Species with trends which did not fit our data quality requirements or with significant positive trends were assigned a goal of maintaining the current carrying capacity. If data quality increases for any non-significantly declining species in the future, the trend will be utilized to determine a population goal at that time.

When data for any species dictated an abundance goal greater than 100% of the current estimated number, a provisional goal of doubling was utilized. Those species were Mountain Plover, Long-billed Curlew, Brewer's Sparrow, Lark Bunting, and Grasshopper Sparrow. Lesser Prairie-Chicken has good documentation of a regional decline, although it does not have a trend from the BBS. The abundance goal for Lesser Prairie-Chicken was determined by the former New Mexico representative to the Lesser Prairie-Chicken Interstate Working Group (D. Davis, *pers. comm.*).

Grassland Guild

Grasslands comprise the largest overall habitat type found in this Area and support priority species such as Scaled Quail, Swainson's Hawk, Mountain Plover, Long-billed Curlew, Burrowing Owl, Western Kingbird, Loggerhead Shrike, Chihuahuan Raven, Cassin's Sparrow, Lark Sparrow, Lark Bunting, and Grasshopper Sparrow. As a guild, grassland birds are declining more rapidly than any other group of landbirds.

The grassland bird guild includes both those species that need primarily grass and those that require shrubs within a grassland matrix. However, the species that are driving this Area's grassland needs are those that reach their highest densities with taller grass and few shrubs on the landscape (Grasshopper Sparrow and Lark Bunting) with the exceptions of the two species requiring models to evaluate landscape context (Lesser Prairie-Chicken and Long-billed Curlew).

Threats to grassland habitats include fire suppression and grazing regimes which over utilize grass, especially during the breeding season. In some areas, fire suppression has allowed shrubs to increase. This has had a deleterious effect on those species which require grasslands with few shrubs. Managing grasslands so that there is an even utilization across the landscape has had a negative effect on the maintenance of the suite of species that requires a heterogeneous mix of grass heights upon the landscape. Some birds such as Long-billed Curlew require very short grass for nesting habitat, but require nearby taller grasses for brood rearing. Grasslands which have high grasses during the breeding season support significantly higher densities of some species such as Grasshopper Sparrow. Other threats include conversion to agriculture. Although many agricultural fields are utilized by some priority birds to some extent, their utilization tends to be at lower densities. Additionally, the extent to which crop maintenance and harvest timing affects productivity has not been well-established for many species. The extent of agricultural conversion on the landscape may be a factor for the decline in Lesser Prairie-Chicken. They thrived with small-scale agriculture adjacent to nearby grass/shrub prairie, but in recent decades with larger-scale conversion to agriculture they have declined. Likewise, the extent to which unutilized agricultural lands are maintained or converted back to grasses (and the types of grass mixes used) will have an effect on some species, though these effects have not been well quantified in New Mexico.

The advent of CRP in the 1985 Farm Bill has helped to increase numbers of many grassland birds. Recent literature, inside and outside the region, has shown that the seed mixtures used in various CRP fields and the ultimate field species composition greatly influence the bird community utilizing those fields. Programs which may allow increased management of CRP fields, such as burning or short-term grazing as well as conversion to native grass seed mixtures or interseeding with forbs and legumes, may greatly increase use by priority grassland birds.

Specific recommendations are below:

Grasshopper Sparrow has declined in the last 30 years at an average rate of 3.3% per year in BCR 18, meaning more than 50% of the population has been lost. We assume that the decline is due to loss of habitat and that a more than doubling of habitat is needed to meet the population goal which is consistent with the PIF goal of doubling the population. Recommended actions are: 1) Manage 2,154,767 acres of shortgrass prairie in the eastern tier of counties for few shrubs and high grass, providing 54,275 additional birds. Currently the PLJV estimates that 954,107 acres of shortgrass prairie within the range of Grasshopper Sparrow is managed in this manner. This will bring the species up to goal.

Lark Bunting has declined in the last 30 years at an average rate of 2.3%/yr in BCR 18. Recommended actions are: 1) Manage an additional 431,811 acres of shortgrass prairie for few shrubs and high grass within the northeastern quadrant of the state, primarily in Harding and Union counties, providing 20,353 additional birds. Currently the PLJV estimates that 119,263 acres are managed in this manner in the northeast. This will bring the species to goal.

Long-billed Curlew has declined in the last 30 years at an average rate of 4.3% per year in BCR 18, meaning more than 50% of the population has been lost. We assume that the decline is due to loss of habitat and that a more than doubling of habitat is needed to meet the population goal which is consistent with the PIF goal of doubling the population. Recommended actions are: 1) Manage 1,113,203 additional acres of shortgrass prairie for few shrubs and a heterogeneous mix of grass heights to make large blocks of habitat, providing 5,091 birds. Currently the PLJV estimates that 1,150,415 acres of shortgrass contributes to large blocks of habitat. This will bring the species up to goal.

To support Long-billed Curlews, research in other portions of the country suggests that large blocks of prairie with few shrubs needs to be within approximately one mile of a water source. The current PLJV model for Curlew habitat requires 1,650 acres of prairie with no more than 220 acres of shrubs or woodland and less than 51 acres of roads.

Grassland birds which utilize prairie-dog colonies (Burrowing Owl and Mountain Plover) have either non-statistically declining trends (Burrowing Owl) or have habitat preferences that can also be replicated through appropriate management of shortgrass prairie near where they occur (Mountain Plover).

Mountain Plover has declined in the last 30 years at an average rate of 3.0% per year in BCR 18, meaning more than 50% of the population has been lost. We assume that the decline is due to loss of habitat and that a more than doubling of habitat is needed to meet the population goal

which is consistent with the PIF goal of doubling the population. To bring the species to goal one will have to balance the higher densities of birds shown on prairie-dog colonies versus lower densities on shortgrass managed for few shrubs and low grass. In this plan we recommend managing shortgrass prairie. Recommended actions are: 1) Manage 261,791 acres of shortgrass prairie for few shrubs and low grass in northeastern New Mexico, primarily in Harding and Union counties, providing 1,754 additional birds. Currently the PLJV estimates that 238,526 acres are managed in this condition within the range of Mountain Plover. This will bring the species to goal. Another alternative would be to add 66,015 acres of prairie-dogs in northeastern New Mexico. In the Colorado Grasslands Plan it is suggested that Mountain Plover densities are greater on prairie-dog colonies covering about 14 – 123 acres than on smaller colonies. Therefore, increasing the size of average prairie-dog colonies would increase densities of plovers on those colonies and the number of birds, and decrease the number of additional colony acres needed.

We are unsure of the proposed amounts of managed grasslands will all be possible within the areas recommended. The PLJV will work further to evaluate whether these conditions can all be present on the landscape in appropriate areas at the same time.

Mixed Grass acreage is estimated at 18,460 acres and thus provides little of the overall objectives for grassland birds in the Area.

Riparian Guild

Riparian areas comprise less than 1% of the landscape in this Area. Riparian forest and shrublands are important for priority species such as Northern Bobwhite, Swainson's Hawk, Red-headed Woodpecker, Painted Bunting, and Bullock's Oriole. There are no breeding riparian forest or shrubland-associated landbirds with statistically significant declining trends in BCR 18, though some, such as Red-headed Woodpecker and Painted Bunting, show significant declining national trends. Therefore the abundance goals are to maintain the current estimated carrying capacity for these species and there are no habitat acreage increases recommended.

However, the PLJV has not assessed exotic versus native riparian shrubland in New Mexico. We know that exotic riparian shrubland, consisting primarily of salt cedar (tamarisk) and Russian olive, comprises a portion of much of the riparian habitat in the Area. In order to maintain species such as Painted Bunting or Bullock's Oriole, exotic riparian shrubland should be converted to native riparian shrubland. Further, we are somewhat skeptical at the number of acres of riparian canopy forest (the current landcover shows only 404 acres of riparian canopy forest). This could have a number of causes, but likely the lack of width of riparian forest within the Area contributes to this. This means that most pixels of GIS coverage is not riparian canopy forest, even where forest exists, thus "reducing" the amount of riparian forest that is calculated. Therefore we believe that a higher number of acres of riparian forest exist, especially in the Canadian and Dry Cimarron valleys and their tributaries. Our recommendation is to maintain riparian forest acres.

Shrubland Guild

Shrublands comprise a little under 20% of the landscape in the Area. They are comprised of at least three distinct sub-categories: mesquite, sand sage and shinnery. Shrublands are important to a number of priority species including Lesser Prairie-Chicken, Scaled Quail, Loggerhead Shrike, Chihuahuan Raven and Cassin's, Brewer's and Lark Sparrows, and Scissor-tailed Flycatcher. Most of these, however, maintain larger numbers in shortgrass prairie and could equally be dealt with in a grassland context. Shrub-associated priority species with a statistically significant declining BBS trends in BCR 18 include Cassin's and Brewer's Sparrows. Lesser Prairie-Chicken is also declining. Others, such as Loggerhead Shrike and Lark Sparrow, show strongly declining national trends.

There is high concern about past Lesser Prairie-Chicken declines (Davis et. al 2006). In New Mexico, a goal of increasing the population by 150% over the next 30 years was set by D. Davis (*pers. comm.*). Recommended actions are: 1) Increase sand sage acres by 53,195 which contribute to large blocks of habitat (see Lesser Prairie-Chicken model below), providing 737 additional birds. Currently the PLJV estimates that 5,851 acres of sand sage contributes to large blocks of habitat; 2) Increase the amount of shinnery contributing to large blocks of habitat by 486,302 acres, providing an additional 7,148 birds. Currently the PLJV estimates that 263,297 acres contribute to large blocks; 3) Increase CRP acreage contributing to large blocks of habitat by 309,675 acres, providing 2,142 birds; and 4) Ensure all CRP acres are in native grass mixtures, providing an additional 4,565 birds. These actions will bring the species up to goal. Note that it is unknown to what extent densities change when legumes and forbs are interseeded in CRP fields. However, researchers in Kansas have noted increases in Lesser Prairie-Chicken activity when those fields have been modified in this manner.

The current PLJV Lesser Prairie-Chicken model requires areas with native mixed grasses and at least 1,000 acres of shinnery within a 5,000 acre block that also contains no more than 1) 2,000 acres of cropland or CRP, 2) 50 acres of roads (and no 4-lane roads), and 3) 50 acres of woodland types. The current model has a good fit with the known distribution of Lesser Prairie-Chicken in New Mexico, though it does not completely capture all areas. The PLJV can recommend locations that may benefit from an increase in CRP within or near Lesser Prairie-Chicken range. Efforts to increase populations of this bird should focus on increasing the amount of shinnery that can support Lesser Prairie-Chicken through development of large blocks of habitat, and research to assess how CRP may become more valuable to the bird in New Mexico (as CRP has been demonstrated to be in Kansas). The PLJV will work in concert with New Mexico partners to further refine the Lesser Prairie-Chicken model for the state.

Cassin's Sparrow has declined in the last 30 years at an average rate of 0.9% per year in BCR 18. Recommended actions are: 1) Convert all current mesquite acreage to savannah habitat, with few mesquite per acre, providing an additional 170,243 birds. Currently the PLJV estimates that 1,374,036 acres are in a shrubland condition (i.e. has greater than 25% mesquite cover); 2) Ensure all CRP acres are in native grass mixtures, providing an additional 31,674 birds. Currently the PLJV estimates 57,883 acres are in a native grass mixture; and 3) Restore 20,769 acres of sand sage, providing an additional 4,238 birds.

These aggressive recommendations, fully implemented, are modeled to meet only 92% of the goal. However, we recommend implementing toward these acreage objectives while partners determine what further habitat work is possible and the models and assumptions are further evaluated.

Brewer's Sparrow has declined in the last 30 years at an average rate of 5.5% per year in BCR 18, meaning more than 50% of the population has been lost. We assume that the decline is due to loss of habitat and that a more than doubling of habitat is needed to meet the population goal which is consistent with the PIF goal of doubling the population. Recommended actions are: 1) Convert 20,769 acres of cropland to sand sage within Union and/or Colfax counties. This would double the number of birds bringing the species up to goal. Note that the PLJV has not yet determined whether the recommended acreage is available in areas with soils appropriate for sand sage restoration within the two counties mentioned.

Woodland/Forest Guild

Woodlands and forests within the Area are at the western fringe of the Great Plains in New Mexico and comprise less than 8% of the landscape. Two major types are represented; pinyon-juniper and ponderosa pine. These areas are critical to a few priority species which are on the eastern edge of their ranges in the United States (Lewis's Woodpecker and Pinyon Jay). A few other species including Lark Sparrow are supported in smaller numbers in pinyon-juniper habitat. Neither of the two primary woodland/forest species have statistically significant declining trends in BCR 18, though Pinyon Jay shows a strong national decline. Therefore the abundance goals are to maintain the current estimated carrying capacity, and habitat goals are to maintain current acreages. Habitat recommendations in the integrated sections provide general management recommendations which are appropriate for maintaining other forest/woodland breeding birds in this Area.

INTEGRATED BIRD HABITAT RECOMMENDATIONS

(By Association)

Arroyo

Increase the suitability of arroyos in southern portions of the Area by increasing dense shrub growth for Bell's Vireo. This could be accomplished from planting, or more easily, appropriate grazing management.

Badlands/Cliffs/Outcrops

Currently there are no priority species which utilize this habitat. However, it is important for many nesting raptors and is likely found in pinyon-juniper areas (among others). Maintaining appropriate pinyon-juniper habitat on these cliffs will support Pinyon Jay.

Cropland

Convert 20,769 acres of cropland to sand sage within Union and/or Colfax counties.

CRP

Ensure that all new CRP is planted to native grass mixtures, and convert all existing non-native CRP to native grass mixtures. Note that it is unknown how bird densities change when legumes and forbs are interseeded in CRP. However, researchers in Kansas have noted increases in Lesser Prairie-Chicken when those native grass CRP fields have been modified as above. Developing programs which will pay for these additional measures in CRP in New Mexico would likely have a positive effect on prairie-chicken numbers.

To support Lesser Prairie-Chicken, increase CRP acreage contributing to large blocks of habitat by 309,675 acres. The PLJV can recommend locations that may benefit from an increase in CRP within or near Lesser Prairie-Chicken range.

Mesquite Savannah

To support Cassin's Sparrow, convert all current mesquite acreage to savannah habitat, with few mesquite per acre. Currently the PLJV estimates that 1,374,036 acres are in a shrubland condition (i.e. has greater than 25% mesquite cover). This will also support populations of Scaled Quail, Chihuahuan Raven, and Scissor-tailed Flycatcher, among others.

Mixed Grass

There are very few acres of mixed grass prairie in this Area. This habitat does support a variety of priority species. We recommend maintaining all acres of mixed grass prairie.

Other

Trees within town limits, preferably cottonwoods, support populations of Mississippi Kite, Western Kingbird, Bullock's Oriole, and occasionally Red-headed Woodpecker. Maintain trees

in towns and when possible replant with native species. Note that this habitat, and also possibly Riverine Systems, are the only places that the PLJV recommends planting trees.

Other Wetlands

Protect saline wetlands (estimated 3,794 acres) and emergent marsh (estimated 484 acres) from further loss or degradation. Restore and maintain hydrology of saline wetlands by controlling exotic hydrophytes, and by retiring nearby cropland from irrigation for wetlands where spring flows have declined. Saline wetlands vulnerable to oil and gas development should be protected through acquisition or conservation easements (including mineral rights). These habitats are important for wetland birds, and the Area is below desired carrying capacity for waterfowl and shorebirds.

Protect known colonial waterbird colonies and areas where marsh birds breed.

Pinyon/Juniper

Maintain all acres of pinyon-juniper habitat. In areas where only juniper is invading grasslands, use fire to set back succession.

Playa

Protect playas (estimated 35,333 acres) from further sedimentation by installing grass buffers around playas located in cropland. Buffer width, species composition, and management should be carefully considered to protect playas from sedimentation yet allow overland water flow to reach the basin. Restore natural hydrology by filling pits and removing excessive accumulated sediments. Install fences around playa basins to manage livestock grazing. Consider double-fencing (a fence around the playa basin and another around the upland buffer) to allow grazing in the uplands while protecting moist-soil plants for wetland birds, and provide alternative sources for livestock water. Avoid fencing playas in areas known to be occupied by Lesser Prairie-Chickens to reduce collision risks. This habitat is important to wetland birds, and waterfowl and shorebirds are below goal.

Additionally, manage 10,691 acres of playas as moist-soil units by manipulating water levels as needed. Of these acres, 2,756 should be managed for dense stands of seed-producing plants attractive to waterfowl, with the acreage flooded during spring. The remaining acres should be managed for optimum suitability for foraging shorebirds (mudflats and very shallow water with minimal emergent cover) by grazing, mowing, etc. Provide supplemental water as needed if rainfall is insufficient to flood these areas. Playas provide important foraging habitat for both waterfowl and shorebirds, but foraging habitat can be improved through management. This management will provide approximately 11.6 million additional foraging use-days for waterfowl (needed during spring) and 2.0 million additional foraging use-days for shorebirds, respectively, and will increase the foraging carrying capacity for these birds to desired levels.

Ponderosa Pine

Maintain forests with few large trees and a grassy understory to support populations of Lewis's Woodpecker. Appropriate conditions can often be maintained by the retention of snags, frequent, low-intensity fires and appropriate grazing management. Maintain all acres of Ponderosa.

Reservoirs, Lakes, and Ponds

Maintain inflows to reservoirs (estimated 28,497 acres) by controlling exotic brush, minimizing/restoring water diversions, and protecting/improving groundwater levels, and reduce shoreline woody vegetation encroachment to maintain water levels and provide open shoreline foraging habitat for shorebirds and other wetland birds. This habitat is especially important for shorebirds, which are below goal in this Area.

Protect known colonial waterbird colonies and areas where marsh birds breed.

Riverine Systems

For Painted Bunting and Bullock's Oriole, among others, convert all exotic riparian shrubland to native riparian shrubland, preferably willows.

Maintain all riparian habitat that is in late successional stages for Red-headed Woodpecker. Ensure that enough new riparian forest is generated so that there will be enough late successional stage riparian forest available in the future to maintain these acres.

Protect known colonial waterbird colonies and areas where marsh birds breed.

Sand Sage

Restore 20,769 acres of sand sage, in Union and/or Colfax counties to support Brewer's Sparrow.

Increase the amount of sand sage contributing to large blocks of habitat for Lesser Prairie-Chicken in southern portions of this Area by 53,195 acres. Currently the PLJV estimates that 5,851 acres of sand sage contributes to large blocks of habitat.

Shinnery

Increase the amount of shinnery contributing to large blocks of habitat for Lesser Prairie-Chicken by 486,302 acres. Currently the PLJV estimates that 263,297 acres contribute to large blocks. The PLJV can help to identify areas for creating large blocks of habitat.

Shortgrass

For Grasshopper Sparrow, manage 2,154,767 acres of shortgrass prairie in the eastern tier of counties, for few shrubs and high grass. Currently the PLJV estimates that 954,107 acres of shortgrass prairie within the range of Grasshopper Sparrow is managed in this condition.

For Lark Bunting, manage an additional 431,811 acres of shortgrass prairie for few shrubs and high grass within the northeastern quadrant of the state, primarily in Harding and Union counties. Currently the PLJV estimates that 119,263 acres are managed in this condition in the northeast.

To support Long-billed Curlew, manage 1,113,203 additional acres of shortgrass prairie for few shrubs and a heterogeneous mix of grass heights and focus it on the landscape to make large blocks of habitat. Currently the PLJV estimates that 1,150,415 acres of shortgrass contributes to large blocks of habitat.

To support Mountain Plover, manage 261,791 acres of shortgrass prairie for few shrubs and low grass in northeastern New Mexico, primarily in Harding and Union counties. Currently the PLJV estimates that 238,526 acres are managed in this condition within the range of Mountain Plover.

RECOMMENDED READING

Davis, D. M., H. Whitlaw, R. Horton, R. D. Rodgers, and E. Odell. 2006. Lesser Prairie-Chicken Conservation Initiative. Lesser Prairie Chicken Interstate Working Group. Unpublished Report. New Mexico Department of Wildlife, Santa Fe, New Mexico, USA.

PLJV. 2006a. PLJV master plan, v. 2.4. 31pp.

PLJV. 2006b. Waterbird team report, v. 1.0. Technical companion document to the PLJV Implementation Planning Guide. 17pp.

PLJV. 2006c. Habitat assessment procedures, v. 2.0. Technical companion document to the PLJV Implementation Planning Guide. 37pp.

PLJV. 2007a. PLJV implementation planning guide, v. 2.0. 38pp.

- PLJV. 2007b. Waterfowl team report, v. 2.0. Technical companion document to the PLJV Implementation Planning Guide. 34pp.
- PLJV. 2007c. Shorebird team report, v. 2.0. Technical companion document to the PLJV Implementation Planning Guide. 52pp.
- PLJV. 2007d. Landbird team report, v.1.0. Technical companion document to the PLJV Implementation Planning Guide.
- Sauer, J. R., J. E. Hines, and J. Fallon. 2005. The North American Breeding Bird Survey, Results and Analysis 1966 - 2005. Version 6.2.2006. [USGS Patuxent Wildlife Research Center](#), Laurel, MD
- USFWS and USGS. 2006. Strategic habitat conservation. Final report of the National Ecological Assessment Team. 45pp.

GUIDELINES FOR INTERPRETING THE TABLES

Tables 1 and 2

These tables show the carrying capacity models for each priority bird species/guild and are intended to show the details of the model parameters. Carrying capacity is shown for each Association/Condition (i.e., habitat type); under each, the top line shows estimated current habitat conditions and the bottom line shows desired future habitat conditions per recommendations in this Plan (note any acreage changes). The population goal is shown and carrying capacity is expressed as percent of goal. Some nonbreeding birds have separate goals and carrying capacities for multiple seasons (e.g., fall, winter, spring). The post-planning sum over all habitats should show each priority species/guild at or above 100% of goal unless otherwise noted.

Carrying capacity for each Association/Condition is estimated as (also see General Planning Approach section in this Plan, and the PLJV Implementation Planning Guide):

$$\text{Carrying Capacity} = \text{Condition Acres} * \text{Availability} * \text{Suitability} * \text{Large Block} * \text{Units}$$

Note: Decimal places for some parameters (e.g., Condition Acres) are carried further in the HABS database than shown in this table. So, some rounding errors will occur when multiplying these parameters manually.

Explanation of Column Headings

Assoc Name: “Association Name”; broad level PLJV habitat classification.

Condition Name: Finest level PLJV habitat classification.

Condition Acres: Acreage estimate of this habitat using GIS and other data sources.

Avail.: “Availability Factor”; estimated proportion of Condition Acres that are available to a priority bird/guild (e.g., proportion of acreage within bird’s breeding range, proportion not frozen in winter, etc.).

Suit.: “Suitability Factor”; estimated proportion of Condition Acres that are suitable for a priority bird/guild (e.g., proportion of acreage shallow enough for efficient foraging by wetland birds, etc.).

Large Block: “Large Block Factor”; estimated proportion of Condition Acres that are in block sizes sufficient to support priority species that require large blocks of habitat (e.g., Lesser Prairie-Chicken, Long-billed Curlew). See definitions of large block models in text.

Units: Bird densities in habitats that support them, expressed as breeding birds per acre for breeding species, or “use-days” per acre for nonbreeding birds (bioenergetics approach to planning; see planning team reports for details). These estimates were derived from the literature or expert opinion.

CC: “Carrying Capacity”; estimated number of birds (or use-days) that can be supported on a specific habitat type; also summed over all habitats used by a priority species to estimate carrying capacity for a planning Area.

Goal: Bird abundance target (breeding birds or use-days) for an Area; stepped-down from the continental bird initiatives (see planning team reports for details).

% of Goal: Carrying capacity of a priority species/guild expressed as a percent of goal; shown for each habitat and also summed for the planning Area. This number should be at least 100% for all priority species/guilds in the planning Area after habitat recommendations are implemented. However, due to habitat actions need for other species, this number could be well over 100%.

Table 3

This table shows the estimated current habitat acreages, and desired future acreages based on habitat recommendations in this plan. Sums should equal the total area of the planning unit. Pre- and post-planning acreage sums should be approximately equal (not exactly equal due to rounding errors in database calculations).

Explanation of Column Headings

Association Name: Broad level PLJV habitat classification.

Condition Name: Finest level PLJV habitat classification.

Pre-Condition Acres: Current acreage estimate of this habitat (using GIS and other data sources).

Post Condition Acres: Desired future acreage of this habitat, after recommendations in this Plan are implemented.

Net Change: Difference between pre- and post Condition acres, representing the change in acreage of a habitat type after recommendations in this plan are implemented.

Table 1. Carrying capacity models for priority **nonbreeding birds**. Under each Condition Name, the top row represents estimated current habitat conditions, and the bottom row is the desired future habitat conditions.

<i>Species/Guild Name: Cranes</i>		<i>Season: Fall</i>							
Assoc Name	Condition Name	Condition	Large		Large	Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block				
Other Wetlands	Emergent marsh	484	1.0000	1.0000	1.00000	396.0000	191,601	232,586	82.38%
		483	1.0000	1.0000	1.00000	396.0000	191,465	232,586	82.30%
Other Wetlands	Saline	3,794	1.0000	1.0000	1.00000	396.0000	1,502,487	232,586	645.99%
		3,795	1.0000	1.0000	1.00000	396.0000	1,502,678	232,586	646.00%
Other Wetlands	Moist-soil unit	0	1.0000	1.0000	1.00000	1,253.0000	0	232,586	0.00%
		10,691	1.0000	1.0000	1.00000	1,253.0000	13,395,647	232,586	5759.40%
Playa	Wet	3,180	1.0000	1.0000	1.00000	396.0000	1,259,268	232,586	541.42%
		3,181	1.0000	1.0000	1.00000	396.0000	1,259,788	232,586	541.60%
Riverine Systems	Wet meadow	214	1.0000	1.0000	1.00000	396.0000	84,703	232,586	36.42%
		214	1.0000	1.0000	1.00000	396.0000	84,703	232,586	36.40%
Riverine Systems	Floodplain marsh	50	1.0000	1.0000	1.00000	396.0000	19,930	232,586	8.57%
		50	1.0000	1.0000	1.00000	396.0000	19,930	232,586	8.50%
Summary for Fall (6 records)			<i>Pre-planning Sum</i>				3,057,989		1314.78%
			<i>Post-planning Sum</i>				16,454,211		7074.20%

<i>Species/Guild Name: Cranes</i>		<i>Season: Spring</i>							
Assoc Name	Condition Name	Condition	Large		Large	Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block				
Other Wetlands	Emergent marsh	484	1.0000	1.0000	1.00000	396.0000	191,601	32,953	581.44%
		483	1.0000	1.0000	1.00000	396.0000	191,465	32,953	581.00%
Other Wetlands	Saline	3,794	1.0000	1.0000	1.00000	396.0000	1,502,487	32,953	4559.48%
		3,795	1.0000	1.0000	1.00000	396.0000	1,502,678	32,953	4560.00%
Other Wetlands	Moist-soil unit	0	1.0000	1.0000	1.00000	1,253.0000	0	32,953	0.00%
		10,691	1.0000	1.0000	1.00000	1,253.0000	13,395,647	32,953	40650.70%
Playa	Wet	3,180	1.0000	1.0000	1.00000	396.0000	1,259,268	32,953	3821.41%
		3,181	1.0000	1.0000	1.00000	396.0000	1,259,788	32,953	3822.90%
Riverine Systems	Wet meadow	214	1.0000	1.0000	1.00000	396.0000	84,703	32,953	257.04%
		214	1.0000	1.0000	1.00000	396.0000	84,703	32,953	257.00%
Riverine Systems	Floodplain marsh	50	1.0000	1.0000	1.00000	396.0000	19,930	32,953	60.48%
		50	1.0000	1.0000	1.00000	396.0000	19,930	32,953	60.40%
Summary for Spring (6 records)			<i>Pre-planning Sum</i>				3,057,989		9279.85%
			<i>Post-planning Sum</i>				16,454,211		49932.00%

<i>Species/Guild Name: Cranes</i>		<i>Season: Winter</i>							
Assoc Name	Condition Name	Condition	Large		Large	Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block				
Cropland	Peanuts	17,977	1.0000	1.0000	1.00000	252.0000	4,530,320	31,822	14236.44
		17,532	1.0000	1.0000	1.00000	252.0000	4,418,140	31,822	13883.90
Cropland	Wheat	449,973	1.0000	1.0000	1.00000	396.0000	178,189,365	31,822	559956.52%
		438,874	1.0000	1.0000	1.00000	396.0000	173,794,148	31,822	546144.60%
Cropland	Sorghum	160,008	1.0000	1.0000	1.00000	252.0000	40,322,101	31,822	126711.40%
		156,058	1.0000	1.0000	1.00000	252.0000	39,326,615	31,822	123583.10%
Cropland	Corn	71,105	1.0000	1.0000	1.00000	396.0000	28,157,532	31,822	88484.48
		69,349	1.0000	1.0000	1.00000	396.0000	27,462,233	31,822	86299.50
Summary for Winter (4 records)			<i>Pre-planning Sum</i>				251,199,318		789388.84%
			<i>Post-planning Sum</i>				245,001,136		769911.10%

<i>Species/Guild Name: Shorebirds-Nonbreeding-Upland</i>		<i>Season: Nonbreeding</i>							
Assoc Name	Condition Name	Condition	Large		Large	Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block				
Cropland	Alfalfa	49,729	1.0000	0.0001	1.00000	282.0000	1,402	1,183	118.51%
		48,507	1.0000	0.0001	1.00000	282.0000	1,368	1,183	115.60%
Cropland	Sod farm	447	1.0000	0.0100	1.00000	282.0000	1,261	1,183	106.59%
		435	1.0000	0.0100	1.00000	282.0000	1,227	1,183	103.70%
Cropland	Pasture	0	1.0000	0.0001	1.00000	282.0000	0	1,183	0.00%
		0	1.0000	0.0001	1.00000	282.0000	0	1,183	0.00%
CRP	Non-native	520,949	1.0000	0.0001	1.00000	282.0000	14,691	1,183	1241.84%

		0	1.0000	0.0001	1.00000	282.0000	0	1,183	0.00%
CRP	Native	57,883	1.0000	0.0001	1.00000	282.0000	1,632	1,183	137.95%
		578,832	1.0000	0.0001	1.00000	282.0000	16,323	1,183	1379.80%
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.04%
		18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.00%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.04%
		18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.00%
Mixed Grass	Many shrubs/low grass	18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.04%
		18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.00%
Mixed Grass	Many shrubs/high grass	18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.04%
		18,460	1.0000	0.0001	1.00000	282.0000	521	1,183	44.00%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	0.0001	1.00000	282.0000	67,265	1,183	5685.97%
		3,664,946	1.0000	0.0001	1.00000	282.0000	103,351	1,183	8736.30%
Shortgrass	Many shrubs/high grass	2,385,269	1.0000	0.0001	1.00000	282.0000	67,265	1,183	5685.97%
		4,526,209	1.0000	0.0001	1.00000	282.0000	127,639	1,183	10789.40
Shortgrass	PD town	61,082	1.0000	0.0001	1.00000	282.0000	1,723	1,183	145.65%
		61,082	1.0000	0.0001	1.00000	282.0000	1,723	1,183	145.60%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	0.0001	1.00000	282.0000	67,265	1,183	5685.97%
		1,105,592	1.0000	0.0001	1.00000	282.0000	31,178	1,183	2635.50%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	0.0001	1.00000	282.0000	67,265	1,183	5685.97%
		1,061,816	1.0000	0.0001	1.00000	282.0000	29,943	1,183	2531.10%
Summary for Nonbreeding (14 records)					<i>Pre-planning Sum</i>		291,853		24670.58%
					<i>Post-planning Sum</i>		314,836		26613.00%

Species/Guild Name: Shorebirds-Nonbreeding-Wetland

Season: Nonbreeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Other Wetlands	Emergent marsh	484	1.0000	0.1000	1.00000	190.0000	9,193	2,263,240	0.41%
		483	1.0000	0.1000	1.00000	190.0000	9,186	2,263,240	0.40%
Other Wetlands	Saline	3,794	1.0000	0.1500	1.00000	190.0000	108,134	2,263,240	4.78%
		3,795	1.0000	0.1500	1.00000	190.0000	108,147	2,263,240	4.70%
Other Wetlands	Moist-soil unit	0	1.0000	0.1500	1.00000	190.0000	0	2,263,240	0.00%
		10,691	1.0000	1.0000	1.00000	190.0000	2,031,290	2,263,240	89.75%
Playa	Wet pit only	2,120	1.0000	0.0010	1.00000	190.0000	403	2,263,240	0.02%
		2,119	1.0000	0.0010	1.00000	190.0000	403	2,263,240	0.00%
Playa	Wet	3,180	1.0000	0.1000	1.00000	190.0000	60,419	2,263,240	2.67%
		3,181	1.0000	0.1000	1.00000	190.0000	60,444	2,263,240	2.60%
Reservoirs Lakes Ponds	Reservoir	28,497	1.0000	0.0050	1.00000	190.0000	27,072	2,263,240	1.20%
		28,497	1.0000	0.0050	1.00000	190.0000	27,072	2,263,240	1.10%
Reservoirs Lakes Ponds	Lagoon	640	1.0000	0.0050	1.00000	190.0000	608	2,263,240	0.03%
		640	1.0000	0.0050	1.00000	190.0000	608	2,263,240	0.00%
Reservoirs Lakes Ponds	Freshwater lake	0	1.0000	0.0050	1.00000	190.0000	0	2,263,240	0.00%
		0	1.0000	0.0050	1.00000	190.0000	0	2,263,240	0.00%
Reservoirs Lakes Ponds	Stock pond	3,484	1.0000	0.0050	1.00000	190.0000	3,310	2,263,240	0.15%
		3,484	1.0000	0.0050	1.00000	190.0000	3,310	2,263,240	0.10%
Riverine Systems	River channel	11,947	1.0000	0.0100	1.00000	190.0000	22,699	2,263,240	1.00%
		11,947	1.0000	0.0100	1.00000	190.0000	22,699	2,263,240	1.00%
Riverine Systems	Floodplain marsh	50	1.0000	0.0130	1.00000	190.0000	124	2,263,240	0.01%
		50	1.0000	0.0130	1.00000	190.0000	124	2,263,240	0.00%
Summary for Nonbreeding (11 records)					<i>Pre-planning Sum</i>		231,962		10.24%
					<i>Post-planning Sum</i>		2,263,283		100.00%

Species/Guild Name: Waterfowl-Nonbreeding

Season: Fall

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Peanuts	17,977	1.0000	0.0000	1.00000	849.0000	0	8,449,352	0.00%
		17,532	1.0000	0.0000	1.00000	849.0000	0	8,449,352	0.00%
Cropland	Sorghum	160,008	1.0000	0.0000	1.00000	849.0000	0	8,449,352	0.00%
		156,058	1.0000	0.0000	1.00000	849.0000	0	8,449,352	0.00%
Cropland	Corn	71,105	1.0000	0.0000	1.00000	668.0000	0	8,449,352	0.00%
		69,349	1.0000	0.0000	1.00000	668.0000	0	8,449,352	0.00%
Cropland	Wheat	449,973	1.0000	0.0000	1.00000	1,336.0000	0	8,449,352	0.00%
		438,874	1.0000	0.0000	1.00000	1,336.0000	0	8,449,352	0.00%
Other Wetlands	Moist-soil unit	0	1.0000	1.0000	1.00000	4,223.0000	0	8,449,352	0.00%
		10,691	1.0000	1.0000	1.00000	4,223.0000	45,147,501	8,449,352	534.30%

Other Wetlands	Emergent marsh	484	1.0000	1.0000	1.00000	1,336.0000	646,413	8,449,352	7.65%
		483	1.0000	1.0000	1.00000	1,336.0000	645,954	8,449,352	7.60%
Other Wetlands	Saline	3,794	1.0000	1.0000	1.00000	1,336.0000	5,068,995	8,449,352	59.99%
		3,795	1.0000	1.0000	1.00000	1,336.0000	5,069,641	8,449,352	60.00%
Playa	Wet	3,180	1.0000	1.0000	1.00000	428.0000	1,361,027	8,449,352	16.11%
		3,181	1.0000	1.0000	1.00000	428.0000	1,361,589	8,449,352	16.10%
Reservoirs Lakes Ponds	Stock pond	3,484	1.0000	0.4000	1.00000	225.0000	313,576	8,449,532	3.71%
		3,484	1.0000	0.4000	1.00000	225.0000	313,576	8,449,532	3.70%
Reservoirs Lakes Ponds	Freshwater lake	0	1.0000	0.0500	1.00000	225.0000	0	8,449,352	0.00%
		0	1.0000	0.0500	1.00000	225.0000	0	8,449,352	0.00%
Reservoirs Lakes Ponds	Reservoir	28,497	1.0000	0.0500	1.00000	225.0000	320,593	8,449,352	3.79%
		28,497	1.0000	0.0500	1.00000	225.0000	320,593	8,449,352	3.70%
Reservoirs Lakes Ponds	Lagoon	640	1.0000	0.4000	1.00000	428.0000	109,571	8,449,352	1.30%
		640	1.0000	0.4000	1.00000	428.0000	109,571	8,449,352	1.20%
Riverine Systems	River channel	11,947	1.0000	1.0000	1.00000	50.0000	597,340	8,449,352	7.07%
		11,947	1.0000	1.0000	1.00000	50.0000	597,340	8,449,352	7.00%
Riverine Systems	Floodplain marsh	50	1.0000	1.0000	1.00000	1,336.0000	67,239	8,449,352	0.80%
		50	1.0000	1.0000	1.00000	1,336.0000	67,239	8,449,352	0.70%
Summary for Fall (14 records)							8,484,754		100.42%
							53,633,004		634.30%

Species/Guild Name: Waterfowl-Nonbreeding

Season: Spring

Assoc Name	Condition Name	Condition		Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block				
Cropland	Wheat	449,973	1.0000	0.0000	1.00000	1,336.0000	0	20,121,275	0.00%
		438,874	1.0000	0.0000	1.00000	1,336.0000	0	20,121,275	0.00%
Cropland	Sorghum	160,008	1.0000	0.0000	1.00000	849.0000	0	20,121,275	0.00%
		156,058	1.0000	0.0000	1.00000	849.0000	0	20,121,275	0.00%
Cropland	Peanuts	17,977	1.0000	0.0000	1.00000	849.0000	0	20,121,275	0.00%
		17,532	1.0000	0.0000	1.00000	849.0000	0	20,121,275	0.00%
Cropland	Corn	71,105	1.0000	0.0000	1.00000	668.0000	0	20,121,275	0.00%
		69,349	1.0000	0.0000	1.00000	668.0000	0	20,121,275	0.00%
Other Wetlands	Emergent marsh	484	1.0000	1.0000	1.00000	1,336.0000	646,413	20,121,275	3.21%
		483	1.0000	1.0000	1.00000	1,336.0000	645,954	20,121,275	3.20%
Other Wetlands	Moist-soil unit	0	1.0000	1.0000	1.00000	4,223.0000	0	20,121,275	0.00%
		10,691	1.0000	1.0000	1.00000	4,223.0000	45,147,501	20,121,275	224.30%
Other Wetlands	Saline	3,794	1.0000	1.0000	1.00000	1,336.0000	5,068,995	20,121,275	25.19%
		3,795	1.0000	1.0000	1.00000	1,336.0000	5,069,641	20,121,275	25.10%
Playa	Wet	3,180	1.0000	1.0000	1.00000	428.0000	1,361,027	20,121,275	6.76%
		3,181	1.0000	1.0000	1.00000	428.0000	1,361,589	20,121,275	6.70%
Reservoirs Lakes Ponds	Reservoir	28,497	1.0000	0.0500	1.00000	225.0000	320,593	20,121,275	1.59%
		28,497	1.0000	0.0500	1.00000	225.0000	320,593	20,121,275	1.50%
Reservoirs Lakes Ponds	Freshwater lake	0	1.0000	0.0500	1.00000	225.0000	0	20,121,275	0.00%
		0	1.0000	0.0500	1.00000	225.0000	0	20,121,275	0.00%
Reservoirs Lakes Ponds	Stock pond	3,484	1.0000	0.4000	1.00000	225.0000	313,576	20,121,275	1.56%
		3,484	1.0000	0.4000	1.00000	225.0000	313,576	20,121,275	1.50%
Reservoirs Lakes Ponds	Lagoon	640	1.0000	0.4000	1.00000	428.0000	109,571	20,121,275	0.54%
		640	1.0000	0.4000	1.00000	428.0000	109,571	20,121,275	0.50%
Riverine Systems	Floodplain marsh	50	1.0000	1.0000	1.00000	1,336.0000	67,239	20,121,275	0.33%
		50	1.0000	1.0000	1.00000	1,336.0000	67,239	20,121,275	0.30%
Riverine Systems	River channel	11,947	1.0000	1.0000	1.00000	50.0000	597,340	20,121,275	2.97%
		11,947	1.0000	1.0000	1.00000	50.0000	597,340	20,121,275	2.90%
Summary for Spring (14 records)							8,484,754		42.17%
							53,633,004		266.00%

Species/Guild Name: Waterfowl-Nonbreeding

Season: Winter

Assoc Name	Condition Name	Condition		Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block				
Cropland	Wheat	449,973	1.0000	1.0000	1.00000	1,336.0000	601,164,119	4,720,442	12735.34
		438,874	1.0000	1.0000	1.00000	1,336.0000	586,335,813	4,720,442	12421.20
Cropland	Peanuts	17,977	1.0000	1.0000	1.00000	849.0000	15,262,864	4,720,442	323.34%
		17,532	1.0000	1.0000	1.00000	849.0000	14,884,922	4,720,442	315.30%
Cropland	Sorghum	160,008	1.0000	1.0000	1.00000	849.0000	135,847,080	4,720,442	2877.85%
		156,058	1.0000	1.0000	1.00000	849.0000	132,493,240	4,720,442	2806.70%
Cropland	Corn	71,105	1.0000	1.0000	1.00000	668.0000	47,498,060	4,720,442	1006.22%

		69,349	1.0000	1.0000	1.00000	668.0000	46,325,181	4,720,442	981.30%
Other Wetlands	Saline	3,794	0.0000	1.0000	1.00000	1,336.0000	0	4,720,442	0.00%
		3,795	0.0000	1.0000	1.00000	1,336.0000	0	4,720,442	0.00%
Other Wetlands	Moist-soil unit	0	0.0000	1.0000	1.00000	4,223.0000	0	4,720,442	0.00%
		10,691	0.0000	1.0000	1.00000	4,223.0000	0	4,720,442	0.00%
Other Wetlands	Emergent marsh	484	0.0000	1.0000	1.00000	1,336.0000	0	4,720,442	0.00%
		483	0.0000	1.0000	1.00000	1,336.0000	0	4,720,442	0.00%
Playa	Wet	3,180	0.0000	1.0000	1.00000	428.0000	0	4,720,442	0.00%
		3,181	0.0000	1.0000	1.00000	428.0000	0	4,720,442	0.00%
Reservoirs Lakes Ponds	Freshwater lake	0	0.0000	0.0500	1.00000	225.0000	0	4,720,442	0.00%
		0	0.0000	0.0500	1.00000	225.0000	0	4,720,442	0.00%
Reservoirs Lakes Ponds	Lagoon	640	0.0000	0.4000	1.00000	428.0000	0	4,720,442	0.00%
		640	0.0000	0.4000	1.00000	428.0000	0	4,720,442	0.00%
Reservoirs Lakes Ponds	Reservoir	28,497	0.0000	0.0500	1.00000	225.0000	0	4,720,442	0.00%
		28,497	0.0000	0.0500	1.00000	225.0000	0	4,720,442	0.00%
Reservoirs Lakes Ponds	Stock pond	3,484	0.0000	0.4000	1.00000	225.0000	0	4,720,442	0.00%
		3,484	0.0000	0.4000	1.00000	225.0000	0	4,720,442	0.00%
Riverine Systems	River channel	11,947	0.0000	1.0000	1.00000	50.0000	0	4,720,442	0.00%
		11,947	0.0000	1.0000	1.00000	50.0000	0	4,720,442	0.00%
Riverine Systems	Floodplain marsh	50	0.0000	1.0000	1.00000	1,336.0000	0	4,720,442	0.00%
		50	0.0000	1.0000	1.00000	1,336.0000	0	4,720,442	0.00%
Summary for Winter (14 records)							799,772,123		16942.74%
							780,039,156		16524.50%

Table 2. Carrying capacity models for priority **breeding birds**. Under Condition Name, the top row represents estimated current habitat conditions, and the bottom row is the desired future habitat conditions.

<i>Species/Guild Name: Bell's Vireo</i>		<i>Season: Breeding</i>								
Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Arroyo	NA	8,800	0.2500	1.0000	1.00000	0.0074	16	16	100.00%	
		8,800	0.2500	1.0000	1.00000	0.0074	16	16	100.00%	
Summary for Breeding (1 record)					<i>Pre-planning Sum</i>		16		100.00%	
					<i>Post-planning Sum</i>		16		100.00%	

<i>Species/Guild Name: Brewer's Sparrow</i>		<i>Season: Breeding</i>								
Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Sand Sage	Low grass	505,355	1.0000	0.0400	1.00000	0.0013	26	53	49.06%	
		525,086	1.0000	0.0735	1.00000	0.0013	50	53	94.34%	
Sand Sage	High grass	26,598	1.0000	0.0400	1.00000	0.0013	1	53	1.89%	
		27,636	1.0000	0.0735	1.00000	0.0013	3	53	5.66%	
Summary for Breeding (2 records)					<i>Pre-planning Sum</i>		27		50.94%	
					<i>Post-planning Sum</i>		53		100.00%	

<i>Species/Guild Name: Bullock's Oriole</i>		<i>Season: Breeding</i>								
Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Arroyo	NA	8,800	1.0000	1.0000	1.00000	0.0172	151	27,468	0.55%	
		8,800	1.0000	1.0000	1.00000	0.0172	151	27,468	0.55%	
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.0172	10,129	27,468	36.88%	
		1,962,908	1.0000	1.0000	1.00000	0.0172	33,762	27,468	122.91%	
Other	Urban/Suburban	110,414	1.0000	1.0000	1.00000	0.0086	950	27,468	3.46%	
		110,414	1.0000	1.0000	1.00000	0.0086	950	27,468	3.46%	
Riverine Systems	Riparian canopy - early successional w/o understory	120	1.0000	1.0000	1.00000	0.1584	19	27,468	0.07%	
		120	1.0000	1.0000	1.00000	0.1584	19	27,468	0.07%	
Riverine Systems	Riparian canopy - late successional w/o understory	82	1.0000	1.0000	1.00000	0.5184	42	27,468	0.15%	
		82	1.0000	1.0000	1.00000	0.5184	42	27,468	0.15%	
Riverine Systems	Riparian canopy - early successional w/ understory	120	1.0000	1.0000	1.00000	0.1584	19	27,468	0.07%	
		120	1.0000	1.0000	1.00000	0.1584	19	27,468	0.07%	
Riverine Systems	Riparian canopy - late successional w/ understory	82	1.0000	1.0000	1.00000	0.5184	42	27,468	0.15%	
		82	1.0000	1.0000	1.00000	0.5184	42	27,468	0.15%	
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
		234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
		234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
		234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
		234,250	1.0000	1.0000	1.00000	0.0172	4,029	27,468	14.67%	
Summary for Breeding (11 records)					<i>Pre-planning Sum</i>		27,468		99.99%	
					<i>Post-planning Sum</i>		51,101		186.03%	

<i>Species/Guild Name: Burrowing Owl</i>		<i>Season: Breeding</i>								
Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	1.0000	1.00000	0.0025	5,963	24,949	23.90%	
		1,105,592	1.0000	1.0000	1.00000	0.0025	2,764	24,949	11.08%	
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	1.0000	1.00000	0.0025	5,963	24,949	23.90%	
		1,061,816	1.0000	1.0000	1.00000	0.0025	2,655	24,949	10.64%	
Shortgrass	PD town	61,082	1.0000	1.0000	1.00000	0.2132	13,023	24,949	52.20%	
		61,082	1.0000	1.0000	1.00000	0.2132	13,023	24,949	52.20%	
Summary for Breeding (3 records)					<i>Pre-planning Sum</i>		24,949		100.00%	
					<i>Post-planning Sum</i>		18,442		73.92%	

Species/Guild Name: Cassin's Sparrow

Season: Breeding

Assoc Name	Condition Name	Condition		Large			Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Block				
CRP	Non-native	520,949	1.0000	1.0000	1.00000	0.0067	3,490	2,659,115	0.13%	
		0	1.0000	1.0000	1.00000	0.0067	0	2,659,115	0.00%	
CRP	Native	57,883	1.0000	1.0000	1.00000	0.0675	3,907	2,659,115	0.15%	
		578,832	1.0000	1.0000	1.00000	0.0675	39,071	2,659,115	1.47%	
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.2478	145,923	2,659,115	5.49%	
		1,962,908	1.0000	1.0000	1.00000	0.2478	486,409	2,659,115	18.29%	
Mesquite Savannah	Shrubland	1,374,036	1.0000	1.0000	1.00000	0.1239	170,243	2,659,115	6.40%	
		0	1.0000	1.0000	1.00000	0.1239	0	2,659,115	0.00%	
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0481	888	2,659,115	0.03%	
		18,460	1.0000	1.0000	1.00000	0.0481	888	2,659,115	0.03%	
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000	0.2478	4,574	2,659,115	0.17%	
		18,460	1.0000	1.0000	1.00000	0.2478	4,574	2,659,115	0.17%	
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0481	888	2,659,115	0.03%	
		18,460	1.0000	1.0000	1.00000	0.0481	888	2,659,115	0.03%	
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.2478	4,574	2,659,115	0.17%	
		18,460	1.0000	1.0000	1.00000	0.2478	4,574	2,659,115	0.17%	
Sand Sage	Low grass	505,355	1.0000	1.0000	1.00000	0.2040	103,092	2,659,115	3.88%	
		525,086	1.0000	1.0000	1.00000	0.2040	107,118	2,659,115	4.03%	
Sand Sage	High grass	26,598	1.0000	1.0000	1.00000	0.2040	5,426	2,659,115	0.20%	
		27,636	1.0000	1.0000	1.00000	0.2040	5,638	2,659,115	0.21%	
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
		234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
		234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
		234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
		234,250	1.0000	1.0000	1.00000	0.2041	47,810	2,659,115	1.80%	
Shortgrass	Many shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.2478	591,070	2,659,115	22.23%	
		4,526,209	1.0000	1.0000	1.00000	0.2478	1,121,594	2,659,115	42.18%	
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	1.0000	1.00000	0.2478	591,070	2,659,115	22.23%	
		1,061,816	1.0000	1.0000	1.00000	0.2478	263,118	2,659,115	9.89%	
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0481	114,731	2,659,115	4.31%	
		3,664,946	1.0000	1.0000	1.00000	0.0481	176,284	2,659,115	6.63%	
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	1.0000	1.00000	0.0481	114,731	2,659,115	4.31%	
		1,105,592	1.0000	1.0000	1.00000	0.0481	53,179	2,659,115	2.00%	
Summary for Breeding (18 records)				<i>Pre-planning Sum</i>			2,045,847		76.93%	
				<i>Post-planning Sum</i>			2,454,575		92.31%	

Species/Guild Name: Chihuahuan Raven

Season: Breeding

Assoc Name	Condition Name	Condition		Large			Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Block				
Arroyo	NA	8,800	1.0000	1.0000	1.00000	0.0084	74	91,318	0.08%	
		8,800	1.0000	1.0000	1.00000	0.0084	74	91,318	0.08%	
CRP	Native	57,883	1.0000	1.0000	1.00000	0.0019	110	91,318	0.12%	
		578,832	1.0000	1.0000	1.00000	0.0019	1,100	91,318	1.20%	
CRP	Non-native	520,949	1.0000	1.0000	1.00000	0.0019	990	91,318	1.08%	
		0	1.0000	1.0000	1.00000	0.0019	0	91,318	0.00%	
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.0111	6,536	91,318	7.16%	
		1,962,908	1.0000	1.0000	1.00000	0.0111	21,788	91,318	23.86%	
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0029	54	91,318	0.06%	
		18,460	1.0000	1.0000	1.00000	0.0029	54	91,318	0.06%	
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0111	205	91,318	0.22%	
		18,460	1.0000	1.0000	1.00000	0.0111	205	91,318	0.22%	
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000	0.0111	205	91,318	0.22%	
		18,460	1.0000	1.0000	1.00000	0.0111	205	91,318	0.22%	
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0029	54	91,318	0.06%	
		18,460	1.0000	1.0000	1.00000	0.0029	54	91,318	0.06%	
Sand Sage	Low grass	505,355	1.0000	1.0000	1.00000	0.0111	5,609	91,318	6.14%	

		525,086	1.0000	1.0000	1.00000	0.0111	5,828	91,318	6.38%
Sand Sage	High grass	26,598	1.0000	1.0000	1.00000	0.0111	295	91,318	0.32%
		27,636	1.0000	1.0000	1.00000	0.0111	307	91,318	0.34%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
		234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
		234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
		234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
		234,250	1.0000	1.0000	1.00000	0.0111	2,600	91,318	2.85%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	1.0000	1.00000	0.0111	26,476	91,318	28.99%
		1,061,816	1.0000	1.0000	1.00000	0.0111	11,786	91,318	12.91%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	1.0000	1.00000	0.0029	6,917	91,318	7.57%
		1,105,592	1.0000	1.0000	1.00000	0.0029	3,206	91,318	3.51%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0029	6,917	91,318	7.57%
		3,664,946	1.0000	1.0000	1.00000	0.0029	10,628	91,318	11.64%
Shortgrass	Many shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0111	26,476	91,318	28.99%
		4,526,209	1.0000	1.0000	1.00000	0.0111	50,241	91,318	55.02%
Summary for Breeding (18 records)							91,318		100.00%
							115,876		126.88%

Species/Guild Name: Dickcissel

Season: Breeding

Assoc Name	Condition Name	Condition			Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Block				
Cropland	Fallow	0	1.0000	0.6000	1.00000	0.0016	0	2,416	0.00%	
		0	1.0000	0.6000	1.00000	0.0016	0	2,416	0.00%	
Cropland	Hay	85,415	1.0000	0.6000	1.00000	0.0016	82	2,416	3.39%	
		83,309	1.0000	0.6000	1.00000	0.0016	80	2,416	3.31%	
Cropland	Pasture	0	1.0000	0.6000	1.00000	0.0016	0	2,416	0.00%	
		0	1.0000	0.6000	1.00000	0.0016	0	2,416	0.00%	
Cropland	Alfalfa	49,729	1.0000	0.6000	1.00000	0.0016	48	2,416	1.99%	
		48,507	1.0000	0.6000	1.00000	0.0016	47	2,416	1.95%	
Cropland	Wheat	449,973	1.0000	0.6000	1.00000	0.0016	432	2,416	17.88%	
		438,874	1.0000	0.6000	1.00000	0.0016	421	2,416	17.43%	
CRP	Non-native	520,949	1.0000	0.6000	1.00000	0.0050	1,563	2,416	64.69%	
		0	1.0000	0.6000	1.00000	0.0050	0	2,416	0.00%	
CRP	Native	57,883	1.0000	0.6000	1.00000	0.0050	174	2,416	7.20%	
		578,832	1.0000	0.6000	1.00000	0.0050	1,737	2,416	71.88%	
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0021	39	2,416	1.61%	
		18,460	1.0000	1.0000	1.00000	0.0021	39	2,416	1.61%	
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0021	39	2,416	1.61%	
		18,460	1.0000	1.0000	1.00000	0.0021	39	2,416	1.61%	
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0021	39	2,416	1.61%	
		18,460	1.0000	1.0000	1.00000	0.0021	39	2,416	1.61%	
Summary for Breeding (10 records)							2,416		100.00%	
							2,402		99.41%	

Species/Guild Name: Eastern Meadowlark

Season: Breeding

Assoc Name	Condition Name	Condition			Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Block				
Cropland	Alfalfa	49,729	1.0000	1.0000	1.00000	0.0122	607	33,320	1.82%	
		48,507	1.0000	1.0000	1.00000	0.0122	592	33,320	1.78%	
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0122	0	33,320	0.00%	
		0	1.0000	1.0000	1.00000	0.0122	0	33,320	0.00%	
Cropland	Hay	85,415	1.0000	1.0000	1.00000	0.0122	1,042	33,320	3.13%	
		83,309	1.0000	1.0000	1.00000	0.0122	1,016	33,320	3.05%	
CRP	Native	57,883	1.0000	1.0000	1.00000	0.0016	93	33,320	0.28%	
		578,832	1.0000	1.0000	1.00000	0.0016	926	33,320	2.78%	
CRP	Non-native	520,949	1.0000	1.0000	1.00000	0.0016	834	33,320	2.50%	
		0	1.0000	1.0000	1.00000	0.0016	0	33,320	0.00%	
Mesquite Savannah	Shrubland	1,374,036	0.7000	1.0000	1.00000	0.0122	11,734	33,320	35.22%	
		0	0.7000	1.0000	1.00000	0.0122	0	33,320	0.00%	
Mesquite Savannah	Savannah	588,872	0.7000	1.0000	1.00000	0.0122	5,029	33,320	15.09%	

		1,962,908	0.7000	1.0000	1.00000	0.0122	16,763	33,320	50.31%
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
		18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
		18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
		18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
		18,460	1.0000	1.0000	1.00000	0.0122	225	33,320	0.68%
Playa	Dry	30,033	0.7000	1.0000	1.00000	0.0122	256	33,320	0.77%
		19,342	0.7000	1.0000	1.00000	0.0122	165	33,320	0.50%
Riverine Systems	Wet meadow	214	1.0000	1.0000	1.00000	0.0122	3	33,320	0.01%
		214	1.0000	1.0000	1.00000	0.0122	3	33,320	0.01%
Sand Sage	Low grass	505,355	0.2000	1.0000	1.00000	0.0122	1,233	33,320	3.70%
		525,086	0.2000	1.0000	1.00000	0.0122	1,281	33,320	3.84%
Sand Sage	High grass	26,598	0.2000	1.0000	1.00000	0.0122	65	33,320	0.20%
		27,636	0.2000	1.0000	1.00000	0.0122	67	33,320	0.20%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
		234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
		234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
		234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
		234,250	1.0000	1.0000	1.00000	0.0123	2,881	33,320	8.65%
Summary for Breeding (19 records)					<i>Pre-planning Sum</i>		33,320		100.00%
					<i>Post-planning Sum</i>		33,327		99.75%

Species/Guild Name: Grasshopper Sparrow

Season: Breeding

Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
CRP	Native		57,883	1.0000	0.8000	1.00000	0.0267	1,236	110,597	1.12%
			578,832	1.0000	0.8000	1.00000	0.0267	12,364	110,597	11.18%
CRP	Non-native		520,949	1.0000	0.8000	1.00000	0.0267	11,127	110,597	10.06%
			0	1.0000	0.8000	1.00000	0.0267	0	110,597	0.00%
Mixed Grass	Few shrubs/high grass		18,460	1.0000	1.0000	1.00000	0.0452	834	110,597	0.75%
			18,460	1.0000	1.0000	1.00000	0.0452	834	110,597	0.75%
Shortgrass	Few shrubs/high grass		2,385,269	1.0000	0.4000	1.00000	0.0452	43,126	110,597	38.99%
			3,664,946	1.0000	0.5810	1.00000	0.0452	96,251	110,597	87.03%
Summary for Breeding (4 records)						<i>Pre-planning Sum</i>		56,323		50.92%
						<i>Post-planning Sum</i>		109,449		98.96%

Species/Guild Name: Lark Bunting

Season: Breeding

Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Fallow		0	1.0000	0.0500	1.00000	0.0117	0	24,286	0.00%
			0	1.0000	0.0500	1.00000	0.0117	0	24,286	0.00%
Cropland	Wheat		449,973	1.0000	0.0500	1.00000	0.0117	263	24,286	1.08%
			438,874	1.0000	0.0500	1.00000	0.0117	257	24,286	1.06%
Cropland	Hay		85,415	1.0000	0.0500	1.00000	0.0117	50	24,286	0.21%
			83,309	1.0000	0.0500	1.00000	0.0117	49	24,286	0.20%
Mixed Grass	Few shrubs/ low grass		18,460	1.0000	0.0500	1.00000	0.0245	23	24,286	0.09%
			18,460	1.0000	0.0500	1.00000	0.0245	23	24,286	0.09%
Mixed Grass	Many shrubs/low grass		18,460	1.0000	0.0500	1.00000	0.0225	21	24,286	0.09%
			18,460	1.0000	0.0500	1.00000	0.0225	21	24,286	0.09%
Sand Sage	High grass		26,598	1.0000	0.0500	1.00000	0.0153	20	24,286	0.08%
			27,636	1.0000	0.0500	1.00000	0.0153	21	24,286	0.09%
Sand Sage	Low grass		505,355	1.0000	0.0500	1.00000	0.0153	387	24,286	1.59%
			525,086	1.0000	0.0500	1.00000	0.0153	402	24,286	1.66%
Shortgrass	Few shrubs/high grass		2,385,269	1.0000	0.0500	1.00000	0.0276	3,292	24,286	13.56%
			3,664,946	1.0000	0.2310	1.00000	0.0276	23,366	24,286	96.21%
Shortgrass	Many shrubs/high grass		2,385,269	1.0000	0.0500	1.00000	0.0254	3,029	24,286	12.47%
			4,526,209	1.0000	0.0500	1.00000	0.0254	5,748	24,286	23.67%
Shortgrass	Few shrubs/ low grass		2,385,269	1.0000	0.0500	1.00000	0.0229	2,731	24,286	11.25%

		1,105,592	1.0000	0.0500	1.00000	0.0229	1,266	24,286	5.21%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	0.0500	1.00000	0.0214	2,552	24,286	10.51%
		1,061,816	1.0000	0.0500	1.00000	0.0214	1,136	24,286	4.68%
Summary for Breeding (11 records)					<i>Pre-planning Sum</i>		12,368		50.92%
					<i>Post-planning Sum</i>		32,289		132.95%

Species/Guild Name: Lark Sparrow

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Arroyo	NA	8,800	1.0000	1.0000	1.00000	0.1986	1,748	1,192,157	0.15%
		8,800	1.0000	1.0000	1.00000	0.1986	1,748	1,192,157	0.15%
Mesquite Savannah	Shrubland	1,374,036	1.0000	1.0000	1.00000	0.1986	272,883	1,192,157	22.89%
		0	1.0000	1.0000	1.00000	0.1986	0	1,192,157	0.00%
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.1986	116,950	1,192,157	9.81%
		1,962,908	1.0000	1.0000	1.00000	0.1986	389,834	1,192,157	32.70%
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
		18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
		18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
		18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
		18,460	1.0000	1.0000	1.00000	0.0525	969	1,192,157	0.08%
Pinyon/Juniper	NA	1,205,344	1.0000	1.0000	1.00000	0.0033	3,978	1,192,157	0.33%
		1,205,344	1.0000	1.0000	1.00000	0.0033	3,978	1,192,157	0.33%
Riverine Systems	Native riparian shrubland	49,706	1.0000	1.0000	1.00000	0.0016	80	1,192,157	0.01%
		49,706	1.0000	1.0000	1.00000	0.0016	80	1,192,157	0.01%
Sand Sage	Low grass	505,355	1.0000	1.0000	1.00000	0.1986	100,364	1,192,157	8.42%
		525,086	1.0000	1.0000	1.00000	0.1986	104,282	1,192,157	8.75%
Sand Sage	High grass	26,598	1.0000	1.0000	1.00000	0.1986	5,282	1,192,157	0.44%
		27,636	1.0000	1.0000	1.00000	0.1986	5,489	1,192,157	0.46%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
		234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
		234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
		234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
		234,250	1.0000	1.0000	1.00000	0.1986	46,522	1,192,157	3.90%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0525	125,227	1,192,157	10.50%
		3,664,946	1.0000	1.0000	1.00000	0.0525	192,410	1,192,157	16.14%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	1.0000	1.00000	0.0525	125,227	1,192,157	10.50%
		1,061,816	1.0000	1.0000	1.00000	0.0525	55,745	1,192,157	4.68%
Shortgrass	Many shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0525	125,227	1,192,157	10.50%
		4,526,209	1.0000	1.0000	1.00000	0.0525	237,626	1,192,157	19.93%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	1.0000	1.00000	0.0525	125,227	1,192,157	10.50%
		1,105,592	1.0000	1.0000	1.00000	0.0525	58,044	1,192,157	4.87%
Summary for Breeding (19 records)					<i>Pre-planning Sum</i>		1,192,157		99.99%
					<i>Post-planning Sum</i>		1,239,200		103.94%

Species/Guild Name: Lesser Prairie-Chicken

Season: Resident

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
CRP	Non-native	520,949	1.0000	1.0000	0.21500	0.0063	706	16,048	4.40%
		0	1.0000	1.0000	0.75000	0.0063	0	16,048	0.00%
CRP	Native	57,883	1.0000	1.0000	0.21500	0.0125	156	16,048	0.97%
		578,832	1.0000	1.0000	0.75000	0.0125	5,427	16,048	33.81%
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
		18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
		18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
		18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%

		18,460	1.0000	1.0000	0.16700	0.0125	39	16,048	0.24%
Sand Sage	Low grass	505,355	1.0000	1.0000	0.01100	0.0156	87	16,048	0.54%
		525,086	1.0000	1.0000	0.10000	0.0156	819	16,048	5.10%
Sand Sage	High grass	26,598	1.0000	1.0000	0.01100	0.0156	5	16,048	0.03%
		27,636	1.0000	1.0000	0.10000	0.0156	43	16,048	0.27%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	0.28100	0.0156	1,027	16,048	6.40%
		234,250	1.0000	1.0000	0.77000	0.0156	2,814	16,048	17.53%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	0.28100	0.0156	1,027	16,048	6.40%
		234,250	1.0000	1.0000	0.77000	0.0156	2,814	16,048	17.53%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	0.28100	0.0156	1,027	16,048	6.40%
		234,250	1.0000	1.0000	0.77000	0.0156	2,814	16,048	17.53%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	0.28100	0.0156	1,027	16,048	6.40%
		234,250	1.0000	1.0000	0.77000	0.0156	2,814	16,048	17.53%
Summary for Resident (12 records)					<i>Pre-planning Sum</i>		5,218		32.51%
					<i>Post-planning Sum</i>		17,701		110.30%

Species/Guild Name: Lewis's Woodpecker

Season: Resident

Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Pinyon/Juniper	NA		1,205,344	0.3000	1.0000	1.00000	0.0004	145	214	67.76%
			1,205,344	0.3000	1.0000	1.00000	0.0004	145	214	67.76%
Ponderosa Pine	Few larger trees, grassy understory		1,653	1.0000	1.0000	1.00000	0.0323	53	214	24.77%
			5,785	1.0000	1.0000	1.00000	0.0323	187	214	87.38%
Ponderosa Pine	Many small trees, no grassy understory		80,987	1.0000	1.0000	1.00000	0.0002	16	214	7.48%
			7,686	1.0000	1.0000	1.00000	0.0002	2	214	0.93%
Summary for Resident (3 records)					<i>Pre-planning Sum</i>		214		100.00%	
					<i>Post-planning Sum</i>		334		156.07%	

Species/Guild Name: Loggerhead Shrike

Season: Resident

Assoc Name	Condition Name	Condition	Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Arroyo	NA		8,800	1.0000	1.0000	1.00000	0.0232	204	367,392	0.06%
			8,800	1.0000	1.0000	1.00000	0.0232	204	367,392	0.06%
CRP	Non-native		520,949	1.0000	1.0000	1.00000	0.0046	2,396	367,392	0.65%
			0	1.0000	1.0000	1.00000	0.0046	0	367,392	0.00%
CRP	Native		57,883	1.0000	1.0000	1.00000	0.0046	266	367,392	0.07%
			578,832	1.0000	1.0000	1.00000	0.0046	2,663	367,392	0.73%
Mesquite Savannah	Shrubland		1,374,036	1.0000	1.0000	1.00000	0.0369	50,702	367,392	13.80%
			0	1.0000	1.0000	1.00000	0.0369	0	367,392	0.00%
Mesquite Savannah	Savannah		588,872	1.0000	1.0000	1.00000	0.0369	21,729	367,392	5.91%
			1,962,908	1.0000	1.0000	1.00000	0.0369	72,431	367,392	19.71%
Mixed Grass	Few shrubs/high grass		18,460	1.0000	1.0000	1.00000	0.0141	260	367,392	0.07%
			18,460	1.0000	1.0000	1.00000	0.0141	260	367,392	0.07%
Mixed Grass	Many shrubs/high grass		18,460	1.0000	1.0000	1.00000	0.0369	681	367,392	0.19%
			18,460	1.0000	1.0000	1.00000	0.0369	681	367,392	0.19%
Mixed Grass	Few shrubs/ low grass		18,460	1.0000	1.0000	1.00000	0.0141	260	367,392	0.07%
			18,460	1.0000	1.0000	1.00000	0.0141	260	367,392	0.07%
Mixed Grass	Many shrubs/low grass		18,460	1.0000	1.0000	1.00000	0.0369	681	367,392	0.19%
			18,460	1.0000	1.0000	1.00000	0.0369	681	367,392	0.19%
Sand Sage	Low grass		505,355	1.0000	1.0000	1.00000	0.0232	11,724	367,392	3.19%
			525,086	1.0000	1.0000	1.00000	0.0232	12,182	367,392	3.32%
Sand Sage	High grass		26,598	1.0000	1.0000	1.00000	0.0232	617	367,392	0.17%
			27,636	1.0000	1.0000	1.00000	0.0232	641	367,392	0.17%
Shinnery	Few shrubs/high grass		234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
			234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
Shinnery	Many shrubs/low grass		234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
			234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
Shinnery	Many shrubs/high grass		234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
			234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
Shinnery	Few shrubs/low grass		234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
			234,250	1.0000	1.0000	1.00000	0.0369	8,644	367,392	2.35%
Shortgrass	Few shrubs/ low grass		2,385,269	1.0000	1.0000	1.00000	0.0141	33,632	367,392	9.15%
			1,105,592	1.0000	1.0000	1.00000	0.0141	15,589	367,392	4.24%
Shortgrass	Many shrubs/high grass		2,385,269	1.0000	1.0000	1.00000	0.0369	88,016	367,392	23.96%

		4,526,209	1.0000	1.0000	1.00000	0.0369	167,017	367,392	45.46%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0141	33,632	367,392	9.15%
		3,664,946	1.0000	1.0000	1.00000	0.0141	51,676	367,392	14.07%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	1.0000	1.00000	0.0369	88,016	367,392	23.96%
		1,061,816	1.0000	1.0000	1.00000	0.0369	39,181	367,392	10.66%
Summary for Resident (19 records)					<i>Pre-planning Sum</i>		367,392		99.99%
					<i>Post-planning Sum</i>		398,042		108.34%

Species/Guild Name: Long-billed Curlew

Season: Breeding

Assoc Name	Condition Name	Condition		Large			CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	0.6500	0.00100	0.0046	0	10,525	0.00%
		18,460	1.0000	0.6500	0.00100	0.0046	0	10,525	0.00%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	0.6500	0.00100	0.0046	0	10,525	0.00%
		18,460	1.0000	0.6500	0.00100	0.0046	0	10,525	0.00%
Shortgrass	PD town	61,082	1.0000	0.6500	0.37100	0.0046	68	10,525	0.65%
		61,082	1.0000	0.6500	0.37100	0.0046	68	10,525	0.65%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	0.6500	0.37100	0.0046	2,646	10,525	25.14%
		3,664,946	1.0000	0.6500	0.73000	0.0046	7,999	10,525	76.00%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	0.6500	0.37100	0.0046	2,646	10,525	25.14%
		1,105,592	1.0000	0.6500	0.73000	0.0046	2,413	10,525	22.93%
Summary for Breeding (5 records)					<i>Pre-planning Sum</i>		5,360		50.93%
					<i>Post-planning Sum</i>		10,480		99.57%

Species/Guild Name: Mississippi Kite

Season: Breeding

Assoc Name	Condition Name	Condition		Large			CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Other	Urban/Suburban	110,414	0.4000	1.0000	1.00000	0.0346	1,528	1,528	100.00%
		110,414	0.4000	1.0000	1.00000	0.0346	1,528	1,528	100.00%
Riverine Systems	Riparian canopy - late successional w/o understory	82	0.1000	0.4000	1.00000	0.0693	0	1,528	0.00%
		82	0.1000	1.0000	1.00000	0.0693	1	1,528	0.07%
Riverine Systems	Riparian canopy - late successional w/ understory	82	0.1000	0.4000	1.00000	0.0693	0	1,528	0.00%
		82	0.1000	1.0000	1.00000	0.0693	1	1,528	0.07%
Summary for Breeding (3 records)					<i>Pre-planning Sum</i>		1,528		100.00%
					<i>Post-planning Sum</i>		1,530		100.13%

Species/Guild Name: Mountain Plover

Season: Breeding

Assoc Name	Condition Name	Condition		Large			CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Shortgrass	PD town	61,082	1.0000	0.1000	1.00000	0.0256	156	3,444	4.53%
		61,082	1.0000	0.1000	1.00000	0.0256	156	3,444	4.53%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	0.1000	1.00000	0.0067	1,598	3,444	46.40%
		1,105,592	1.0000	0.4525	1.00000	0.0067	3,352	3,444	97.33%
Summary for Breeding (2 records)					<i>Pre-planning Sum</i>		1,754		50.93%
					<i>Post-planning Sum</i>		3,508		101.86%

Species/Guild Name: Northern Bobwhite

Season: Resident

Assoc Name	Condition Name	Condition		Large			CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Cropland	Pasture	0	0.9000	1.0000	1.00000	0.0087	0	10,041	0.00%
		0	0.9000	1.0000	1.00000	0.0087	0	10,041	0.00%
Cropland	Sunflowers	0	0.9000	1.0000	1.00000	0.0012	0	10,041	0.00%
		0	0.9000	1.0000	1.00000	0.0012	0	10,041	0.00%
Cropland	Fallow	0	0.9000	1.0000	1.00000	0.0012	0	10,041	0.00%
		0	0.9000	1.0000	1.00000	0.0012	0	10,041	0.00%
Cropland	Soybeans	0	0.9000	1.0000	1.00000	0.0012	0	10,041	0.00%
		0	0.9000	1.0000	1.00000	0.0012	0	10,041	0.00%
Cropland	Corn	71,105	0.9000	1.0000	1.00000	0.0012	77	10,041	0.77%
		69,349	0.9000	1.0000	1.00000	0.0012	75	10,041	0.75%
Cropland	Hay	85,415	0.9000	1.0000	1.00000	0.0087	669	10,041	6.66%
		83,309	0.9000	1.0000	1.00000	0.0087	652	10,041	6.49%
Cropland	Alfalfa	49,729	0.9000	1.0000	1.00000	0.0012	54	10,041	0.54%

		48,507	0.9000	1.0000	1.00000	0.0012	52	10,041	0.52%
Cropland	Sorghum	160,008	0.9000	1.0000	1.00000	0.0012	173	10,041	1.72%
		156,058	0.9000	1.0000	1.00000	0.0012	169	10,041	1.68%
Cropland	Wheat	449,973	0.9000	1.0000	1.00000	0.0012	486	10,041	4.84%
		438,874	0.9000	1.0000	1.00000	0.0012	474	10,041	4.72%
Mixed Grass	Few shrubs/ low grass	18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
		18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
Mixed Grass	Many shrubs/high grass	18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
		18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
Mixed Grass	Few shrubs/high grass	18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
		18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
Mixed Grass	Many shrubs/low grass	18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
		18,460	0.5000	1.0000	1.00000	0.0087	80	10,041	0.80%
Riverine Systems	Riparian canopy - early successional w/ understory	120	0.3000	1.0000	1.00000	0.0012	0	10,041	0.00%
		120	0.3000	1.0000	1.00000	0.0012	0	10,041	0.00%
Riverine Systems	Riparian canopy - late successional w/ understory	82	0.3000	1.0000	1.00000	0.0012	0	10,041	0.00%
		82	0.3000	1.0000	1.00000	0.0012	0	10,041	0.00%
Riverine Systems	Native riparian shrubland	49,706	0.3000	1.0000	1.00000	0.0012	18	10,041	0.18%
		49,706	0.3000	1.0000	1.00000	0.0012	18	10,041	0.18%
Riverine Systems	Wet meadow	214	0.3000	1.0000	1.00000	0.0012	0	10,041	0.00%
		214	0.3000	1.0000	1.00000	0.0012	0	10,041	0.00%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
		234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
		234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
		234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
		234,250	1.0000	1.0000	1.00000	0.0088	2,061	10,041	20.53%
Summary for Resident (21 records)							10,041		99.99%
							10,004		99.62%

Species/Guild Name: Painted Bunting

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Arroyo	NA	8,800	0.1000	1.0000	1.00000	0.0182	16	106	15.09%
		8,800	0.1000	1.0000	1.00000	0.0182	16	106	15.09%
Riverine Systems	Native riparian shrubland	49,706	0.1000	1.0000	1.00000	0.0182	90	106	84.91%
		49,706	0.1000	1.0000	1.00000	0.0182	90	106	84.91%
Summary for Breeding (2 records)							106		100.00%
							106		100.00%

Species/Guild Name: Pinyon Jay

Season: Resident

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Pinyon/Juniper	NA	1,205,344	0.5000	1.0000	1.00000	0.0044	2,652	2,652	100.00%
		1,205,344	0.5000	1.0000	1.00000	0.0044	2,652	2,652	100.00%
Summary for Resident (1 record)							2,652		100.00%
							2,652		100.00%

Species/Guild Name: Red-headed Woodpecker

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Riverine Systems	Riparian canopy - late successional w/o understory	82	1.0000	1.0000	1.00000	0.0100	1	2	50.00%
		82	1.0000	1.0000	1.00000	0.0100	1	2	50.00%
Riverine Systems	Riparian canopy - late successional w/ understory	82	1.0000	1.0000	1.00000	0.0100	1	2	50.00%
		82	1.0000	1.0000	1.00000	0.0100	1	2	50.00%
Summary for Breeding (2 records)							2		100.00%
							2		100.00%

Species/Guild Name: Scaled Quail

Season: Resident

Assoc Name	Condition Name	Condition			Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block					
Arroyo	NA	8,800	1.0000	1.0000	1.00000	0.0375	330	220,265	0.15%	
		8,800	1.0000	1.0000	1.00000	0.0375	330	220,265	0.15%	
Mesquite Savannah	Shrubland	1,374,036	1.0000	1.0000	1.00000	0.0322	44,244	220,265	20.09%	
		0	1.0000	1.0000	1.00000	0.0322	0	220,265	0.00%	
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.0436	25,675	220,265	11.66%	
		1,962,908	1.0000	1.0000	1.00000	0.0436	85,583	220,265	38.85%	
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0322	594	220,265	0.27%	
		18,460	1.0000	1.0000	1.00000	0.0322	594	220,265	0.27%	
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0436	805	220,265	0.37%	
		18,460	1.0000	1.0000	1.00000	0.0436	805	220,265	0.37%	
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0436	805	220,265	0.37%	
		18,460	1.0000	1.0000	1.00000	0.0436	805	220,265	0.37%	
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000	0.0322	594	220,265	0.27%	
		18,460	1.0000	1.0000	1.00000	0.0322	594	220,265	0.27%	
Sand Sage	Low grass	505,355	0.5000	1.0000	1.00000	0.0322	8,136	220,265	3.69%	
		525,086	0.5000	1.0000	1.00000	0.0322	8,454	220,265	3.84%	
Sand Sage	High grass	26,598	0.5000	1.0000	1.00000	0.0322	428	220,265	0.19%	
		27,636	0.5000	1.0000	1.00000	0.0322	445	220,265	0.20%	
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
		234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
		234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
		234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
		234,250	1.0000	1.0000	1.00000	0.0322	7,543	220,265	3.42%	
Shortgrass	Many shrubs/high grass	2,385,269	0.3000	1.0000	1.00000	0.0322	23,042	220,265	10.46%	
		4,526,209	0.3000	1.0000	1.00000	0.0322	43,723	220,265	19.85%	
Shortgrass	Few shrubs/ low grass	2,385,269	0.3000	1.0000	1.00000	0.0436	31,199	220,265	14.16%	
		1,105,592	0.3000	1.0000	1.00000	0.0436	14,461	220,265	6.57%	
Shortgrass	Few shrubs/high grass	2,385,269	0.3000	1.0000	1.00000	0.0436	31,199	220,265	14.16%	
		3,664,946	0.3000	1.0000	1.00000	0.0436	47,937	220,265	21.76%	
Shortgrass	Many shrubs/low grass	2,385,269	0.3000	1.0000	1.00000	0.0322	23,042	220,265	10.46%	
		1,061,816	0.3000	1.0000	1.00000	0.0322	10,257	220,265	4.66%	
Summary for Resident (17 records)					Pre-planning Sum		220,265	99.99%		
					Post-planning Sum		244,160	110.84%		

Species/Guild Name: Scissor-tailed Flycatcher

Season: Breeding

Assoc Name	Condition Name	Condition			Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block					
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.0166	9,775	48,232	20.27%	
		1,962,908	1.0000	1.0000	1.00000	0.0166	32,584	48,232	67.56%	
Mesquite Savannah	Shrubland	1,374,036	1.0000	1.0000	1.00000	0.0166	22,809	48,232	47.29%	
		0	1.0000	1.0000	1.00000	0.0166	0	48,232	0.00%	
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
		234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
		234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
		234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
		234,250	1.0000	1.0000	1.00000	0.0167	3,912	48,232	8.11%	
Summary for Breeding (6 records)					Pre-planning Sum		48,232	100.00%		
					Post-planning Sum		48,232	100.00%		

Species/Guild Name: Snowy Plover

Season: Breeding

Assoc Name	Condition Name	Condition			Large		Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block					
Other Wetlands	Saline	3,794	1.0000	1.0000	1.00000	0.0585	222	222	100.00%	
		3,795	1.0000	1.0000	1.00000	0.0585	222	222	100.00%	

Summary for Breeding (1 record)

Pre-planning Sum
Post-planning Sum

222
222

100.00%
100.00%

Species/Guild Name: Swainson's Hawk

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Fallow	0	1.0000	1.0000	1.00000	0.0013	0	30,661	0.00%
		0	1.0000	1.0000	1.00000	0.0013	0	30,661	0.00%
Cropland	Hay	85,415	1.0000	1.0000	1.00000	0.0022	188	30,661	0.61%
		83,309	1.0000	1.0000	1.00000	0.0022	183	30,661	0.60%
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0022	0	30,661	0.00%
		0	1.0000	1.0000	1.00000	0.0022	0	30,661	0.00%
Cropland	Wheat	449,973	1.0000	1.0000	1.00000	0.0013	585	30,661	1.91%
		438,874	1.0000	1.0000	1.00000	0.0013	571	30,661	1.86%
CRP	Non-native	520,949	1.0000	1.0000	1.00000	0.0026	1,354	30,661	4.42%
		0	1.0000	1.0000	1.00000	0.0026	0	30,661	0.00%
CRP	Native	57,883	1.0000	1.0000	1.00000	0.0026	150	30,661	0.49%
		578,832	1.0000	1.0000	1.00000	0.0026	1,505	30,661	4.91%
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000	0.0029	1,708	30,661	5.57%
		1,962,908	1.0000	1.0000	1.00000	0.0029	5,692	30,661	18.56%
Mesquite Savannah	Shrubland	1,374,036	1.0000	1.0000	1.00000	0.0015	2,061	30,661	6.72%
		0	1.0000	1.0000	1.00000	0.0015	0	30,661	0.00%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0029	54	30,661	0.18%
		18,460	1.0000	1.0000	1.00000	0.0029	54	30,661	0.18%
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000	0.0029	54	30,661	0.18%
		18,460	1.0000	1.0000	1.00000	0.0029	54	30,661	0.18%
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000	0.0015	28	30,661	0.09%
		18,460	1.0000	1.0000	1.00000	0.0015	28	30,661	0.09%
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000	0.0015	28	30,661	0.09%
		18,460	1.0000	1.0000	1.00000	0.0015	28	30,661	0.09%
Riverine Systems	Wet meadow	214	1.0000	1.0000	1.00000	0.0023	0	30,661	0.00%
		214	1.0000	1.0000	1.00000	0.0023	0	30,661	0.00%
Riverine Systems	Riparian canopy - late successional w/o understory	82	1.0000	1.0000	1.00000	0.0023	0	30,661	0.00%
		82	1.0000	1.0000	1.00000	0.0023	0	30,661	0.00%
Riverine Systems	Riparian canopy - late successional w/ understory	82	1.0000	1.0000	1.00000	0.0023	0	30,661	0.00%
		82	1.0000	1.0000	1.00000	0.0023	0	30,661	0.00%
Sand Sage	Low grass	505,355	1.0000	1.0000	1.00000	0.0022	1,112	30,661	3.63%
		525,086	1.0000	1.0000	1.00000	0.0022	1,155	30,661	3.77%
Sand Sage	High grass	26,598	1.0000	1.0000	1.00000	0.0022	59	30,661	0.19%
		27,636	1.0000	1.0000	1.00000	0.0022	61	30,661	0.20%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
		234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
		234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
		234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
		234,250	1.0000	1.0000	1.00000	0.0023	539	30,661	1.76%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	1.0000	1.00000	0.0029	6,917	30,661	22.56%
		1,105,592	1.0000	1.0000	1.00000	0.0029	3,206	30,661	10.46%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	1.0000	1.00000	0.0015	3,578	30,661	11.67%
		1,061,816	1.0000	1.0000	1.00000	0.0015	1,593	30,661	5.20%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0029	6,917	30,661	22.56%
		3,664,946	1.0000	1.0000	1.00000	0.0029	10,628	30,661	34.66%
Shortgrass	PD town	61,082	1.0000	1.0000	1.00000	0.0022	134	30,661	0.44%
		61,082	1.0000	1.0000	1.00000	0.0022	134	30,661	0.44%
Shortgrass	Many shrubs/high grass	2,385,269	1.0000	1.0000	1.00000	0.0015	3,578	30,661	11.67%
		4,526,209	1.0000	1.0000	1.00000	0.0015	6,789	30,661	22.14%

Summary for Breeding (26 records)

Pre-planning Sum
Post-planning Sum

30,661
33,837

99.99%
110.36%

Species/Guild Name: Western Kingbird

Season: Breeding

Assoc Name	Condition Name	Condition		Large			Units	CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block					
Cropland	Pasture	0	1.0000	1.0000	1.00000		0.0549	0	540,405	0.00%
		0	1.0000	1.0000	1.00000		0.0549	0	540,405	0.00%
Cropland	Alfalfa	49,729	1.0000	1.0000	1.00000		0.0330	1,641	540,405	0.30%
		48,507	1.0000	1.0000	1.00000		0.0330	1,601	540,405	0.30%
Cropland	Hay	85,415	1.0000	1.0000	1.00000		0.0549	4,689	540,405	0.87%
		83,309	1.0000	1.0000	1.00000		0.0549	4,574	540,405	0.85%
Cropland	Wheat	449,973	1.0000	1.0000	1.00000		0.0330	14,849	540,405	2.75%
		438,874	1.0000	1.0000	1.00000		0.0330	14,483	540,405	2.68%
Mesquite Savannah	Savannah	588,872	1.0000	1.0000	1.00000		0.1091	64,246	540,405	11.89%
		1,962,908	1.0000	1.0000	1.00000		0.1091	214,153	540,405	39.63%
Mesquite Savannah	Shrubland	1,374,036	1.0000	1.0000	1.00000		0.1091	149,907	540,405	27.74%
		0	1.0000	1.0000	1.00000		0.1091	0	540,405	0.00%
Mixed Grass	Many shrubs/high grass	18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
		18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
Mixed Grass	Few shrubs/ low grass	18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
		18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
Mixed Grass	Many shrubs/low grass	18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
		18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
Mixed Grass	Few shrubs/high grass	18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
		18,460	1.0000	1.0000	1.00000		0.1091	2,014	540,405	0.37%
Other	Urban/Suburban	110,414	1.0000	1.0000	1.00000		0.2575	28,432	540,405	5.26%
		110,414	1.0000	1.0000	1.00000		0.2575	28,432	540,405	5.26%
Other	small roads	503,808	1.0000	1.0000	1.00000		0.1091	54,965	540,405	10.17%
		503,808	1.0000	1.0000	1.00000		0.1091	54,965	540,405	10.17%
Riverine Systems	Riparian canopy - early successional w/ understory	120	1.0000	1.0000	1.00000		0.0243	3	540,405	0.00%
		120	1.0000	1.0000	1.00000		0.0243	3	540,405	0.00%
Riverine Systems	Riparian canopy - late successional w/ understory	82	1.0000	1.0000	1.00000		0.0243	2	540,405	0.00%
		82	1.0000	1.0000	1.00000		0.0243	2	540,405	0.00%
Riverine Systems	Riparian canopy - early successional w/o understor	120	1.0000	1.0000	1.00000		0.0243	3	540,405	0.00%
		120	1.0000	1.0000	1.00000		0.0243	3	540,405	0.00%
Riverine Systems	Native riparian shrubland	49,706	1.0000	1.0000	1.00000		0.0243	1,208	540,405	0.22%
		49,706	1.0000	1.0000	1.00000		0.0243	1,208	540,405	0.22%
Sand Sage	Low grass	505,355	1.0000	1.0000	1.00000		0.1091	55,134	540,405	10.20%
		525,086	1.0000	1.0000	1.00000		0.1091	57,287	540,405	10.60%
Sand Sage	High grass	26,598	1.0000	1.0000	1.00000		0.1091	2,902	540,405	0.54%
		27,636	1.0000	1.0000	1.00000		0.1091	3,015	540,405	0.56%
Shinnery	Many shrubs/low grass	234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
		234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
Shinnery	Few shrubs/low grass	234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
		234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
Shinnery	Many shrubs/high grass	234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
		234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
Shinnery	Few shrubs/high grass	234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
		234,250	1.0000	1.0000	1.00000		0.1092	25,580	540,405	4.73%
Shortgrass	Few shrubs/high grass	2,385,269	1.0000	0.0500	1.00000		0.1091	13,012	540,405	2.41%
		3,664,946	1.0000	1.0000	1.00000		0.1091	399,846	540,405	73.99%
Shortgrass	Many shrubs/high grass	2,385,269	1.0000	0.0500	1.00000		0.1091	13,012	540,405	2.41%
		4,526,209	1.0000	1.0000	1.00000		0.1091	493,809	540,405	91.38%
Shortgrass	Many shrubs/low grass	2,385,269	1.0000	0.0500	1.00000		0.1091	13,012	540,405	2.41%
		1,061,816	1.0000	1.0000	1.00000		0.1091	115,844	540,405	21.44%
Shortgrass	Few shrubs/ low grass	2,385,269	1.0000	0.0500	1.00000		0.1091	13,012	540,405	2.41%
		1,105,592	1.0000	1.0000	1.00000		0.1091	120,620	540,405	22.32%
Summary for Breeding (26 records)				Pre-planning Sum			540,405	99.99%		
				Post-planning Sum			1,620,221	299.81%		

Table 3. Estimated current acreage and desired future acreage of important bird habitats. Sums may not equal due to rounding errors in database calculations (discrepancies <5%).

Association Name	Condition Name	Pre- Condition Acres	Post Condition Acres	Net Change
Arroyo	NA	8,800	8,800	0
Badlands/Cliffs/Outcrops	NA	43,136		
Cropland	Sunflowers	0	0	0
Cropland	Peanuts	17,977	17,532	-445
Cropland	Alfalfa	49,729	48,507	-1,222
Cropland	Fallow	0	0	0
Cropland	Corn	71,105	69,349	-1,756
Cropland	Other	59,746	7,120	-52,626
Cropland	Pasture	0	0	0
Cropland	Soybeans	0	0	0
Cropland	Wheat	449,973	438,874	-11,099
Cropland	Sod farm	447	435	-12
Cropland	Hay	85,415	83,309	-2,106
Cropland	Sorghum	160,008	156,058	-3,950
CRP	Native	57,883	578,832	520,949
CRP	Non-native	520,949	0	-520,949
Mesquite Savannah	Shrubland	1,374,036	0	-1,374,036
Mesquite Savannah	Savannah	588,872	1,962,908	1,374,036
Mixed Grass	Many shrubs/high grass	18,460	18,460	0
Mixed Grass	Few shrubs/high grass	18,460	18,460	0
Mixed Grass	Many shrubs/low grass	18,460	18,460	0
Mixed Grass	Few shrubs/ low grass	18,460	18,460	0
Other	Other	3,833	3,833	0
Other	4-lane roads	10,369	10,369	0
Other	small roads	503,808	503,808	0
Other	Urban/Suburban	110,414	110,414	0
Other Wetlands	Emergent marsh	484	483	-1
Other Wetlands	Saline	3,794	3,795	1
Other Wetlands	Moist-soil unit	0	10,691	10,691
Pinyon/Juniper	NA	1,205,344	1,205,344	0
Playa	Wet	3,180	3,181	1
Playa	Wet pit only	2,120	2,119	-1
Playa	Dry	30,033	19,342	-10,691
Ponderosa Pine	Many small trees, no	80,987	7,686	-73,301
Ponderosa Pine	Few larger trees, grassy	1,653	5,785	4,132
Reservoirs Lakes Ponds	Freshwater lake	0	0	0
Reservoirs Lakes Ponds	Lagoon	640	640	0
Reservoirs Lakes Ponds	Pit	33		
Reservoirs Lakes Ponds	Reservoir	28,497	28,497	0
Reservoirs Lakes Ponds	Stock pond	3,484	3,484	0
Riverine Systems	Floodplain marsh	50	50	0
Riverine Systems	River channel	11,947	11,947	0
Riverine Systems	Exotic riparian shrubland	0	0	0
Riverine Systems	Warmwater slough	0	0	0
Riverine Systems	Riparian canopy - late	82	82	0
Riverine Systems	Riparian canopy - late	82	82	0
Riverine Systems	Riparian canopy - early	120	120	0
Riverine Systems	Riparian canopy - early	120	120	0
Riverine Systems	Unvegetated sandbar	591	591	0
Riverine Systems	Wet meadow	214	214	0
Riverine Systems	Native riparian shrubland	49,706	49,706	0

Sand Sage	High grass	26,598	27,636	1,038
Sand Sage	Low grass	505,355	525,086	19,731
Shinnery	Few shrubs/low grass	234,250	234,250	0
Shinnery	Many shrubs/high grass	234,250	234,250	0
Shinnery	Many shrubs/low grass	234,250	234,250	0
Shinnery	Few shrubs/high grass	234,250	234,250	0
Shortgrass	Few shrubs/ low grass	2,385,269	1,105,592	-1,279,677
Shortgrass	PD town	61,082	61,082	0
Shortgrass	Many shrubs/low grass	2,385,269	1,061,816	-1,323,453
Shortgrass	Many shrubs/high grass	2,385,269	4,526,209	2,140,940
Shortgrass	Few shrubs/high grass	2,385,269	3,664,946	1,279,677
Sum		17,389,761	16,684,612	

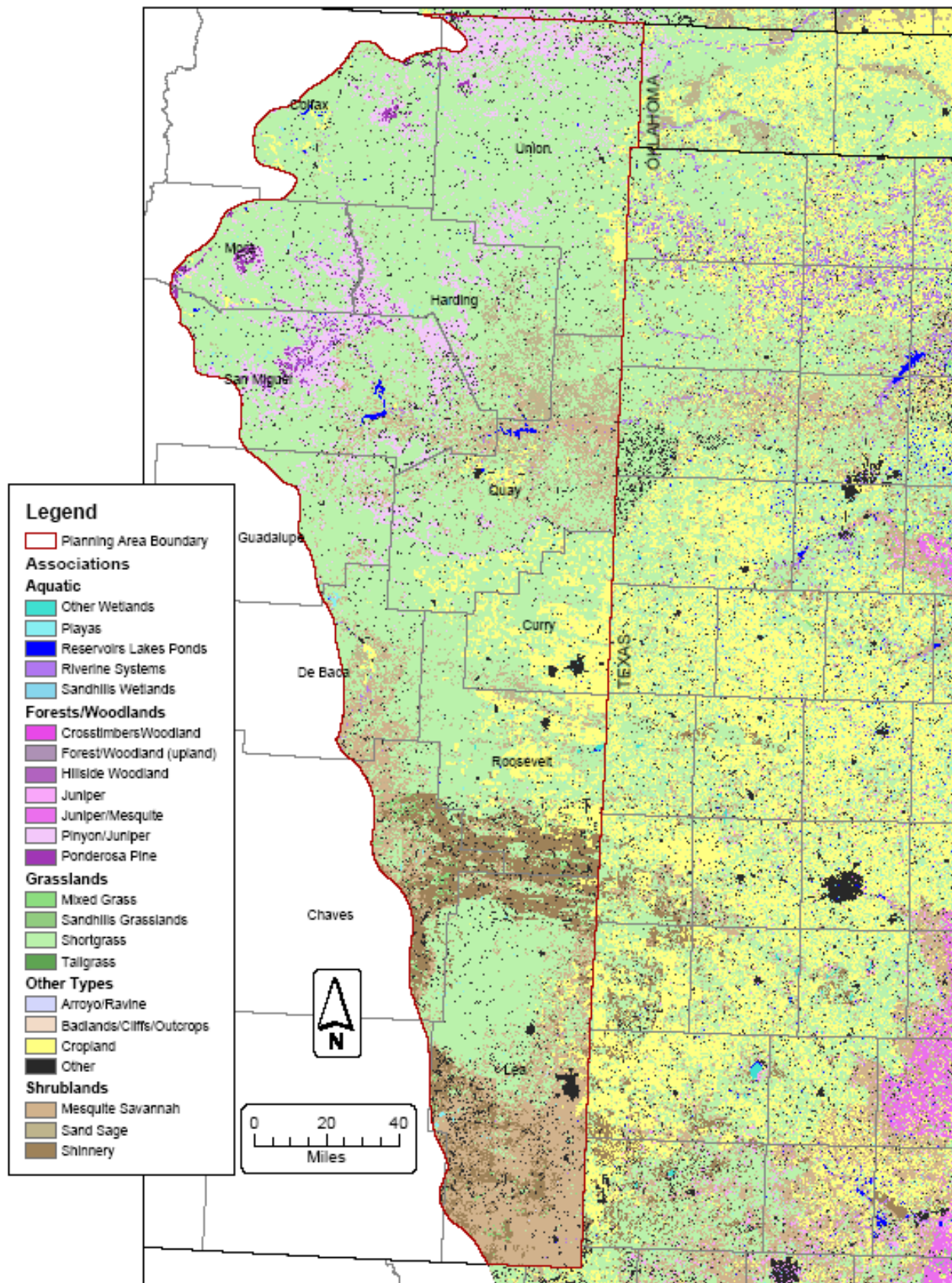


Figure 1. Bird habitat associations for the Shortgrass Prairie Bird Conservation Region of New Mexico.