

PLAYA LAKES JOINT VENTURE

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



PLAYA LAKES
JOINT VENTURE

March 2008

APPROVALS

By adopting this plan, PLJV Texas partners signify:

- Endorsement of the planning process used to develop these habitat conservation recommendations, and an understanding that these recommendations may change based on new, or better, information.
- Endorsement of the habitat objectives herein, and acknowledgement that working toward those habitat objectives is necessary to sustain bird populations
- Intent to work toward and foster programs that will deliver habitat conservation at the scales identified.
- Intent to develop and support evaluation initiatives (testing assumptions inherent in the planning process) to facilitate refinement and improvements to the habitat recommendations.

PLJV Management Board Chairperson

 _____ Date March 5, 2008

State Management Board Representative

 _____ Date March 5, 2008

State Monitoring, Evaluation, and Research Team Representative

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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 Bird Conservation Region of Texas. 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.

- Maintain current CRP acres, convert all remaining non-native fields to native grass mixtures, and convert an additional 1,685,271 acres of cropland to native grassland using CRP or other strategies (**Grasshopper Sparrow, Cassin’s Sparrow, Ring-necked Pheasant, Lesser Prairie-Chicken**).
- Convert 472,625 acres of cropland to small grain crops from “other” crop types (**Ring-necked Pheasant**).
- Increase shinnery acres contributing to large block configurations (>5,000 acres) by 51,750 acres (**Lesser Prairie-Chicken**).
- Restore at least 1,000,000 acres of mesquite savannah back to shortgrass prairie in the northern part of the Area (**Lark Bunting**).
- Manage 6,182,881 acres of shortgrass prairie for high grass and few shrubs (**Grasshopper Sparrow**).
- Increase shortgrass prairie contributing to large blocks (>1,650 acres) of grassland by 1,112,975 acres (**Long-billed Curlew**).
- Increase prairie-dog colonies by 93,825 acres in the northwest portion of the Area or ensure an increase of the same number of acres of shortgrass prairie managed for low grass and few shrubs (**Mountain Plover**).
- Employ moist-soil management practices on 28,884 acres of playas (**waterfowl, shorebirds, Ring-necked Pheasant**).

Other important actions to preserve the function of existing habitats (e.g., buffering playas) also are needed. These recommendations are intended for implementation over a 30-year timeframe (2007-2037). Implementing these actions within the next 30 years 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 in the Shortgrass Prairie (BCR 18) portion of Texas (i.e., the Area) 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 analyses 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 bird numbers 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 capacity of each habitat for each priority bird species:

$$\text{Carrying Capacity} = \text{acres of habitat} * \text{habitat availability factor} * \text{habitat suitability factor} * \text{large block factor} * \text{bird density}$$

We then summed the estimated number of birds supported in each habitat (i.e., carrying capacity) and compared this value to the bird abundance target. This process quantifies the importance of each habitat to each species. It also quantifies current carrying 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. Assessment of current habitat (association/condition) requires significant improvement to insure appropriate determination of habitat goals.

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. This plan does not fully address the distribution and juxtaposition of habitat on the landscape. 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, 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, 2). These acreages were determined from the PLJV's GIS database and additional non-spatial data.
- *Planning Team Reports for Waterfowl* (PLJV 2005), *Shorebirds* (PLJV 2007b), *Waterbirds* (PLJV 2006b), and *Landbirds* (PLJV 2007c). 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

In the *Texas Comprehensive Wildlife Conservation Strategy* (Texas Parks and Wildlife Department [TPWD] 2005), habitat and monitoring/evaluation recommendations for the High Plains ecological region are consistent with an earlier iteration of this Area Implementation Plan, signifying TPWD's intent to work cooperatively with the PLJV partnership on bird habitat conservation this region (see TPWD 2005:156-161).

The *Grassland Conservation Plan for Prairie Grouse* (Vodehnal and Haufler 2007) recommends nearly 12 million acres of grassland conservation for BCR18, and specific recommendations for the Texas portion of the BCR are consistent with this plan. The *Lesser Prairie-Chicken Conservation Initiative* (Davis et al. 2006) contains habitat conservation recommendations consistent with the prairie grouse plan (Vodehnal and Haufler 2007), and it describes the PLJV planning initiative for this species.

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. Migration chronology data suggest that many waterfowl species are more abundant in the Area during fall and spring than during winter. 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 heavily by geese and certain dabbling ducks, especially when wetlands are unavailable due to drought, extreme cold, etc. However, these resources are generally not limiting for this bird group.

Playas are by far the predominant wetland type in the Area (approximately 345,000 acres). 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 Geese (Shortgrass Prairie Population) for the nonbreeding seasons only. 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 578,000 ducks and 80,000 geese during midwinter (early January). Long-term data from the midwinter waterfowl survey generally show declines in duck numbers and stable or increasing goose numbers. For bioenergetics planning purposes, waterfowl abundance targets were translated to “use-days” for 3 seasons during the nonbreeding period: fall (mid-Aug. to mid-Dec.); winter (late-Dec. to late

Jan.); and spring (early Feb. to mid-May). Use-day targets are approximately 72 million for fall, 30 million for winter, and 174 million for spring.

Habitat assessments and bioenergetics modeling suggested that this Area can support the foraging use-day objectives during winter (on agricultural habitats) but not during fall or spring (on wetland habitats) (Table 1). For fall, we estimated the Area can support about 87% of the use-day objective (approx. 9 million use-day deficit). For spring, we estimated the Area can support only about 36% of the use-day objective (approx. 111 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 2,205 acres (or approximately 130 playas) of moist-soil managed playas will recover the foraging habitat deficit for fall, and an additional 28,884 acres (or approximately 1,700 playas) are needed in 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. Additionally, pits should be filled and accumulated sediments should be removed from playas. Fences should also be installed around playas to manage livestock grazing. Regarding fences, double-fencing (a fence around the playa basin and another around the upland buffer) should be considered to allow grazing in the uplands while protecting moist-soil plants for waterfowl.

Shorebirds – Wetland Guild

Migratory shorebirds use this Area from early July through late October (peak in late September) for fall migration, and from early March through late May (peak in mid 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).

Playas are by far the predominant wetland type in the Area (approx. 345,000 acres). 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 shorebirds.

Saline wetlands (estimated acreage approx. 21,000) also are important for shorebirds. Water levels and hydroperiods of these spring-fed wetlands also have been reduced, primarily from water table reductions due to irrigation. Hydrological modification and contamination of some saline wetlands has occurred due to oil and gas development. Exotic hydrophytes (e.g., salt cedar) have infested the margins of some saline wetlands, further contributing to water level declines.

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 are included in the habitat recommendations.

Existing shorebird survey data for this Area were used to develop an abundance target that translated to approximately 3.9 million use-days, which includes abundance increases recommended in the U. S. Shorebird Conservation Plan. Habitat assessments and bioenergetics modeling suggest that existing wetland habitats in this Area cannot support the abundance target. We estimated the Area can support about 2.1 million use-days, or 55% of the use-day target (approx. 1.8 million use-day deficit) (Table 1).

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 8,764 acres of moist-soil managed playas will recover the foraging habitat deficit. Mowing and/or grazing can 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 as needed for short, sparse vegetation through grazing, burning, mowing, etc. This should be done after the growing season to allow seed production for waterfowl. Many playas are grazed and tilled which provides open conditions preferred by shorebirds.

Saline wetlands should be restored by controlling exotic hydrophytes, and by retiring nearby cropland from irrigation in areas 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, nonbreeding shorebirds, American Golden-Plover and Buff-breasted Sandpiper, forage in wetlands during migration and also forage extensively in upland habitats (short-stature grasslands and cropland). These species are more common further east within the PLJV, and are uncommon to rare in this Area. Accordingly, the use-day target (translated from the abundance target) for these species is low, just 140 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 ample habitat to support the small 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 is highly important to migrating and wintering Sandhill Cranes; a majority of the mid-continent population (hundreds of thousands of birds) uses the Area. Whooping Cranes occasionally use the Area during migration in low numbers. Abundance targets for cranes were developed by stepping down objectives from existing plans (*Central Flyway Plan* for Sandhill Cranes and the *International Recovery Plan* for Whooping Cranes). Sandhill Crane abundance targets are approximately 11.4 million use-days in fall, 6.4 million use-days in winter, and 4.0 million use-days in spring. The Whooping Crane abundance target is 456 use-days in both fall and spring. In this Area, the most important wetland types for cranes are playas, saline wetlands, and wet meadows. Important cropland habitats include corn, peanuts, sorghum, and wheat (Table 1).

Playas are by far the dominant wetland type in the Area (estimated acreage approx. 345,000), and are used by cranes for both foraging and roosting. 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 may restrict overland water flow to 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 waterbirds.

Saline wetlands (estimated acreage approx. 21,000) are extremely important sites for crane roosting, and their associated spring inflows provide freshwater for drinking. Water levels and hydroperiods of these wetlands have been reduced, primarily from water table reductions due to irrigation. Hydrological modification and contamination of some saline wetlands has occurred due to oil and gas development. Exotic hydrophytes (e.g., salt cedar) have infested the margins of some saline wetlands, further contributing to water level declines.

Wet meadows (estimated acreage approximately 164,000) also provide important crane foraging habitat, especially along the Canadian River. However, the quality of existing wet meadows is suspect due to reductions in hydroperiod (reduced stream flows caused by water impoundments and diversions, irrigation, infestations of exotic hydrophytes, etc.).

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 apply to cranes. Additionally, wet meadows should be restored by controlling hydrophytes (exotic and native), increasing in-stream flows (e.g., through water use and management policies) where possible, and actively managing water levels (e.g., developing impoundments with water management capabilities) if necessary.

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 waterfowl, shorebirds, and cranes. Until more explicit planning can be conducted, we assume that fulfilling habitat needs for waterfowl, shorebirds, and cranes will also fulfill habitat needs for other nonbreeding waterbirds.

BREEDING BIRDS

Grassland Guild

Grasslands are the largest single habitat type found in this Area and support priority species such as Lesser Prairie-Chicken, 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.

In addressing the needs of priority landbirds for this Area, the PLJV worked from the assumption 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 grassland 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, 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. 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.

The species in BCR 18 – TX that have statistically significant declining trends are Lesser Prairie-Chicken, Ring-necked Pheasant, Mountain Plover, Long-billed Curlew, Cassin's Sparrow, Lark Bunting, and Grasshopper Sparrow. For some species, when data dictated an abundance goal greater than 100% of the current estimated numbers, a provisional goal of doubling was utilized; those species were Long-billed Curlew, Mountain Plover and Grasshopper Sparrow. The abundance goal for Lesser Prairie-Chicken was determined by the Texas representative to the Lesser Prairie-Chicken Interstate Working Group (H. Whitlaw, *pers. comm.*).

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.

Two priority grassland birds utilize prairie-dog colonies, Burrowing Owls and Mountain Plovers. The declining trend in Burrowing Owls is not significant, so this species does not have specific goals. Mountain Plovers are declining at a rate of -3.0%/yr in BCR 18. Although Mountain Plovers rely heavily on prairie-dog colonies, their habitat needs can be met by specific management actions on shortgrass prairie. Ensuring that 138,461 acres of shortgrass with few shrubs and low grass (or prairie-dog colonies) are located in the northwestern panhandle, especially Dallam County, will help Mountain Plovers reach their population goals. To double current abundance (a provisional goal), 93,825 acres of either condition would need to be located in the same area; this will support an additional 122 birds. This planning document shows the additional acres to occur in prairie-dog colonies for a total of 192,756 acres.

Threats to grassland habitats include fire suppression and grazing regimes which over utilize grass and foster shrub encroachment. In some areas mesquite expanded outside of its historic place on rocky slopes and in arroyos. In areas with more moderate topography, fire suppression has allowed juniper, mesquite and other shrubs to increase. This has had a deleterious effect on those species which require grasslands with few shrubs. Other threats include conversion to agriculture, although many agricultural fields are utilized by some priority birds to some extent. The extent of agricultural conversion on the landscape may be a factor, as Lesser Prairie-Chickens thrived with small-scale agriculture adjacent to nearby grass/shrub prairie, but in recent decades with large-scale conversion to agriculture they have declined. Likewise, the extent to which unutilized agricultural lands are kept or converted back to native grasses will have an effect on some species, such as Ring-necked Pheasant, Northern Bobwhite or Dickcissel, though these effects have not been well quantified.

The advent of CRP in the 1985 Farm Bill has helped to increase numbers of many grassland birds. Recent literature has shown that the seed mixtures used in various CRP fields and the

ultimate field species composition greatly influences the bird community utilizing those fields. Programs that allow management actions such as burning, short-term grazing, conversion to native grass seed mixtures, or interseeding with forbs and legumes to occur in CRP fields may greatly increase their use by priority grassland birds. The recommendations found in the integrated habitat descriptions and the reasons behind those recommendations are provided below.

Approximately 1,000,000 acres of shortgrass prairie needs to be restored, primarily in the northern half of the Area. Much of this may be done through the restoration of shortgrass prairie from mesquite savannah. Mesquite, a shrub of rocky slopes, ravines and arroyos has invaded level shortgrass prairie to a large extent, especially in areas south of Amarillo. Restoring this acreage and using the current estimated land management regimes should support 16,073 Grasshopper Sparrows and 7,118 Lark Buntings.

Management of approximately 60% of restored and current (combined) shortgrass prairie should bring Lark Bunting up to goal, supporting 104,156 additional birds. Grasshopper Sparrow will require this scale of grassland management but needs additional help from CRP or CRP-like programs (see CRP recommendations.)

Long-billed Curlew is declining at a rate of -4.3%/yr in BCR 18. To bring Long-billed Curlews up to their current population objective, it will require their numbers to be more than tripled. With a provisional goal of just doubling current numbers, 2,267,171 acres of shortgrass needs to be distributed so that it contributes to large blocks of habitat. This should provide an additional 1,903 birds. Currently, the PLJV estimates that 1,154,196 acres of shortgrass prairie contributes to large blocks. Research in other portions of the country suggests that large blocks of prairie with few shrubs needs to be within approximately 1.5 miles of a fresh water source to support Long-billed Curlews. Therefore, the PLJV suggests that when working to add shortgrass prairie to large blocks, grass height heterogeneity (including short and taller grasses) and few shrubs should be a priority. This can be accomplished through grazing management in areas near fresh water sources, which may be streams, playas, or reservoirs.

The current 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. It is unclear at this point whether 2,267,171 acres of prairie can be found in northwestern BCR 18-TX which will fulfill this requirement. The PLJV will continue to refine the model for Long-billed Curlew and the current acreage recommendations may change accordingly.

Support Cassin's Sparrows by converting all CRP acres from non-native to native grass mixtures. This will recover the current population deficit and bring the species up to goal.

Currently CRP supports almost 25% of all Grasshopper Sparrows, while shortgrass prairie supports 24%. Adding an additional 1,685,271 acres of native-mix CRP within the range of Grasshopper Sparrow (within the Area) will support 183,188 additional birds. Restoring 1,000,000 acres of Mesquite to shortgrass prairie within the range of Grasshopper Sparrow (within the Area) should support 79,000 birds, given current estimated management regimes. Ensuring that management on 60% of all this future acreage of shortgrass (or 6,783,193 acres)

yields high grass (>15cm) and few shrubs will support 96,218 birds. This should bring the bird up to goal. However, we cannot assure that there are approximately 1.6 million acres within the northern half of the BCR that can be converted to CRP or 1,000,000 acres of mesquite that can be converted to shortgrass. These recommendations are but one possible solution for this species which will likely involve at least four habitat types (mesquite, shortgrass, cropland, and CRP) and various management options for shortgrass and CRP.

For Lark Bunting, restoring 1,000,000 acres of mesquite to shortgrass prairie within the range of Lark Bunting in the Area should support 7,118 birds. Management on 6,161,401 acres of shortgrass for high grass (>15cm) and few shrubs within the range of the breeding range of Lark Bunting should then support 104,156 birds. However, there may not be 6,161,401 acres of shortgrass that can be managed in this manner within the northern half of the Area. As crop and CRP GIS data become available, the PLJV will refine these recommendations and be better able to answer these questions.

Mixed Grass acreage is estimated at 104,048 acres and thus provides little of the overall objectives for grassland birds in the Area. However, 504 acres of mixed grass habitat is estimated to contribute to large blocks of habitat for Lesser Prairie-Chicken. If 2,080 acres of mixed grass prairie could be made into large blocks of habitat by combining with native-mix CRP (conforming to the model) it should support an additional 16 birds. This is not a large number; however, combining with additional work with CRP and shinnery habitat would bring the Lesser Prairie-Chicken up to desired levels. Revisions to the Prairie-Chicken model or landcover data in Texas could significantly alter the current estimated carrying capacity, the abundance target, and PLJV habitat recommendations for reaching that goal.

Riparian Guild

Riparian areas do not comprise a large amount of habitat within this Area, however, they are important to the support of priority species such as Mississippi Kite, Red-headed Woodpecker, Painted Bunting, and Bullock's Oriole. There are no breeding riparian-associated landbirds with statistically significant declining trends in BCR 18, though some, such as Mississippi Kite and Red-headed Woodpecker, show strong national trends. Therefore the abundance goals are to maintain current numbers. However, current PLJV GIS has not evaluated exotic versus native riparian shrubland. We know that exotic riparian shrubland, consisting primarily of salt cedar (tamarisk) and Russian olive, comprises a portion of all riparian shrubland in the Area. In order to maintain species such as Painted Bunting or Bullock's Oriole, the exotic riparian shrubland should be converted to native riparian shrubland. There are no habitat acreage increases recommended. Habitat recommendations in the integrated sections provide general management recommendations which are appropriate for maintaining other riparian breeding birds in this Area.

Shrubland Guild

Shrublands include shinnery, sand sage, and mesquite and comprise a moderate amount of the landscape in the Area. However, the majority of these acres are comprised of mesquite, either on slopes where it occurred historically, or in grassland situations where the shrub has invaded. Shrublands are important to a number of priority species including Lesser Prairie- Chicken, Scaled Quail, Scissor-tailed Flycatcher, Loggerhead Shrike, Chihuahuan Raven, and Lark Sparrow. Most of these, however, require a few shrubs within a grassland context and can be just as appropriately dealt with under grasslands. There are no shrub-associated priority species with a statistically significant declining BBS trends in BCR 18, although a few, such as Loggerhead Shrike and Lark Sparrow, show strongly declining national trends. Abundance goals for these species are to maintain current abundance (i.e., maintain current estimated carrying capacity).

There is high concern about past Lesser Prairie-Chicken declines (Davis et. al 2006). To support Lesser Prairie-Chickens, ensure that 35,709 acres of native CRP is in current occupied range and that it also contributes to large blocks of habitat. This should support an additional 263 birds. Ensuring that 103,500 acres of shinnery habitat contributes to large blocks of habitat should add 228 birds. Adding 2,080 acres of mixed grass so that it contributes to large blocks of habitat will support an additional 16 birds. Adding native CRP acres near existing areas of shinnery will expand large blocks of habitat and should allow chickens to achieve their population goal. However, we are currently unable to determine whether this configuration is possible. Nevertheless, there are a variety of strategies methods to bring this bird to desired levels, and this is only one suggestion.

The current PLJV Lesser Prairie-Chicken model requires at least 2,750 acres of native mixed grasses and at least 1,000 acres of shinnery or sand sage within a 5,000 acre block. This block can contain no more than 1) 2,000 acres of cropland or CRP, 2) 50 acres of roads (ranch or paved and no 4-lane roads), 3) 50 acres of woodland types and 4) 150 acres of mesquite. The current model has a poor to moderate fit within the current Lesser Prairie-Chicken distribution, primarily because the best available landcover is poor. Texas Parks and Wildlife Department (TPWD) is creating a new landcover in Lesser Prairie-Chicken areas that should greatly improve the ability of the model to predict occurrence as well as provide areas where habitat management acres should be focused. PLJV will work with TPWD and other partners to update models when the new landcover becomes available.

Habitat recommendations include restoring at least 1,000,000 acres of current mesquite savannah back to shortgrass prairie and managing areas of relatively level ground so that there are very few mesquite per acre. Currently the PLJV estimates that 1,202,231 acres of mesquite habitat has less than 25% mesquite cover. Maintain 2,736,767 acres of mesquite with less than 25% shrub cover, preferably less than 5%. The PLJV estimates that 51,750 acres of shinnery currently contributes to large blocks of Lesser Prairie-Chicken habitat. At least 103,500 acres of all shinnery should contribute to large blocks of habitat. Other recommendations in the integrated section should maintain or increase numbers of most shrub-associated species.

Habitat Generalists

Currently Ring-necked Pheasant is at 59% of goal. Converting 1,685,271 acres of cropland to CRP within the northern two-thirds of the Area should support 13,118 additional birds (accounting for birds lost from cropland). PLJV estimates that 25% of all crop types planted in this Area do not contribute to appropriate habitat for Ring-necked Pheasant. After overall crop reductions, converting 472,625 additional acres of “Other” crops to small grains crops (such as wheat) within the northern two-thirds of the area would support an additional 5,968 birds. Converting 28,884 acres of playas to moist-soil units would support an additional 1,062 birds if created within the range of pheasant in the northern two-thirds of the BCR. Planting grass corners (as in the Farm Bill program CP-33) on irrigated cropland may improve carrying capacity for this species in cropland, reducing the need for crop conversion, however, this has not been measured and we are unaware of density differences in croplands with and without crop corners planted to grass. These recommendations represent just one possible solution for attaining goal for this species.

INTEGRATED BIRD HABITAT RECOMMENDATIONS (By Association)

Cropland

For Grasshopper Sparrow, Ring-necked Pheasant and to some extent Lesser Prairie-Chicken, reduce the amount of cropland by 1,685,271 acres and convert to native-mix CRP or similar grassland type.

PLJV estimates that 25% of all crop types planted in this Area do not contribute to appropriate habitat for Ring-necked Pheasant. Convert 472,625 acres of other crop types to small grains crops, such as wheat, within the northern two-thirds of the Area. Planting grass corners (as with CP-33) on irrigated cropland may improve carrying capacity for this species, reducing the need for crop conversion.

CRP

Within the northern two-thirds of the Area add 1,685,271 acres of native-mix CRP and/or develop programs which will create CRP-type habitat, preferably native grasses with forbs and few shrubs. These acres should have been taken from agricultural lands for this plan. Although planting native grasses and forbs with few shrubs may boost numbers of Lesser Prairie-Chicken when large blocks of habitat are created near occupied range, the driver for this recommendation is the Grasshopper Sparrow. In this area, it reaches its highest densities in CRP, and adding acres of CRP is the easiest way to increase its abundance. All remaining non-native CRP fields should be converted to native grass species; this action will take Cassin’s Sparrow above goal and also contribute to Lesser Prairie-Chicken goals (also see Shinnery recommendations).

CRP is a proven success for birds and other wildlife in many regions. CRP acreage recommendations herein are large, highlighting the importance of maintaining, increasing, and targeting this program for priority birds.

Juniper

Juniper habitat currently does not support any priority species. Juniper has expanded since settlement due to fire suppression. Land management practices that eliminate juniper in favor of other habitat types are preferred. In general, most juniper should be relegated to slopes, where it had remained prior to widespread fire suppression and large-scale cattle grazing.

Juniper/Mesquite

In areas with a moderate to level topography, this habitat type may represent a very late successional stage of savannah habitat. Regular burning and appropriate grazing management to maintain a less than 25% juniper and mesquite canopy cover, preferably less than 5%, within a native grassland, could return this habitat to more historic conditions that will support Scissor-tailed Flycatcher, Loggerhead Shrike, and Lark Sparrow, among other species.

Mesquite Savannah

Prior to large-scale cattle grazing in the region, mesquite was a shrub found in draws, rocky slopes, and arroyos. This habitat is important to priority species such as Scissor-tailed Flycatcher, Chihuahuan Raven, Cassin's and Lark Sparrow, among others. However, much of the habitat type has been created by the invasion of mesquite into more level areas of shortgrass prairie. Further, there are many areas where mesquite cover is greater than 25%. We recommend restoring at least 1,000,000 acres of current mesquite savannah back to shortgrass prairie and managing areas of relatively level ground so that there are very few mesquite per acre. All the priority species which use this habitat type require only a low amount of shrub cover and all have higher densities in mesquite savannah (primarily grassland) rather than mesquite shrub (primarily shrub). Currently PLJV estimates that 1,202,231 acres of this habitat have appropriate mesquite cover. An estimated 2,736,767 acres of this habitat type should be maintained in a condition with few to very few shrubs in addition to the restoration acreage mentioned earlier.

Mixed Grass

PLJV estimates a little more than 100,000 acres of mixed grass prairie in this Area. Overall this habitat type does not contribute much to priority bird abundance. However, there are a few potential actions within this habitat type that may help.

PLJV currently estimates that 520 acres of mixed grass contribute to large blocks of habitat for Lesser Prairie-Chicken. Ensure that 2,080 acres of mixed grass will contribute to large blocks of habitat by placing CRP near mixed grass areas that are 2,000 acres in size.

Long-billed Curlew requires both very short grass for breeding and taller grasses for brood rearing within the same area. PLJV estimates that 7,803 acres of this habitat type currently contribute to large blocks of habitat for curlew. Working to provide additional acres of mixed grass contributing to large blocks of habitat (see Long-billed Curlew model) will improve numbers, but increases will be small.

Other

Urban/Suburban areas are important to species such as Mississippi Kite, Western Kingbird and Bullock's Oriole. Maintaining trees, especially native cottonwoods in greenbelts within city limits, and even as backyard trees, will help to maintain these species.

Other Wetlands

Saline Wetlands are critical to the maintenance of breeding Snowy Plovers and wintering Sandhill Cranes (especially as roosting areas). They are also important to migrant shorebirds (see Nonbreeding Shorebird – Wetland Guild and Waterbird sections).

Restore and maintain hydrology of saline wetlands by controlling exotic hydrophytes (e.g., salt cedar), and by retiring nearby cropland from irrigation. Retiring wells near saline lakes will help raise water levels and rejuvenate springs. Saline wetlands vulnerable to oil and gas development should be protected through acquisition or conservation easements (including mineral rights).

Playa

Playas should be protected from further sedimentation by installing grass buffers around those located in cropland. Buffer width, species composition, and management should be considered carefully to protect playas from sedimentation yet allow overland water flow to reach the basin. Natural hydrology should be restored by filling pits and removing excessive accumulated sediments. Moist-soil management should be implemented on 28,884 acres (or approximately 1,700 playas) for waterfowl and shorebirds. Of these, 8,764 acres should be managed for shorebirds (mudflats and very shallow water with minimal emergent cover). The remainder

should be managed for dense stands of seed-producing plants attractive to waterfowl, with grazing excluded. If rainfall is insufficient to flood these areas, provide supplemental water as needed to ensure that 2,205 acres are flooded during fall and 26,226 acres during spring. These actions will provide an additional 120.1 million use-days for waterfowl (9.3 million in fall and 110.8 million in spring) and 1.8 million for shorebirds, bringing the Area to desired carrying capacity for these species. If these acres are managed within the range of Ring-necked Pheasant in the northern two-thirds of the Area, they would add an additional 1,062 birds, helping to bring this species to desired carrying capacity. This habitat also is important for cranes. See Waterfowl, Shorebird – Wetland Guild, and Waterbird sections.

Reservoirs, Lakes, and Ponds

These deepwater habitats (including reservoirs, stock ponds, and lagoons) do provide some foraging and roosting habitat for waterfowl, shorebirds, and waterbirds, but their importance is relatively minor compared to other wetland habitats. No specific management recommendations are called for in this Plan.

Riverine Systems

Wet meadows should be enhanced by controlling hydrophytes (exotic and native), increasing in-stream flows (e.g., through water use and management policies) where possible, and actively managing water levels (e.g., developing impoundments with water management capabilities) if necessary. This habitat provides important foraging habitat for cranes (see *Waterbird* section) and habitat quality is poor in much of the Area.

For nesting Snowy Plover and Least Tern, river flows should be increased within river channels, primarily the Canadian, to create sandbars surrounded by water.

Increasing native riparian shrubland should increase abundance of Painted Bunting and potentially Bell's Vireo. Also, these species should benefit from eliminating invasive exotics, such as salt cedar and Russian olive, in riparian areas.

PLJV estimates that 133,118 acres of late successional riparian forest exist in the Area. Red-headed Woodpeckers require late successional cottonwood forest (and other riparian species require willow or other native shrub understory). Riparian forests takes time (at least 30 years) to reach maturity and produce snags suitable for woodpecker cavities. Cottonwood/willow habitats should be encouraged by planting (or other means) along river channels.

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

Sand Sage

This habitat is important to such priority species as Scaled Quail and Lark Sparrow and has the potential for supporting Lesser Prairie-Chicken. Maintaining existing acres of this habitat, managed with appropriate grazing, will help to maintain Scaled Quail, Chihuahuan Raven and Lark Sparrow among others.

Shinnery

Large blocks of habitat are necessary for Lesser Prairie-Chicken (see the Lesser Prairie-Chicken Large-Block model under the shrubland guild above). PLJV currently estimates that 51,750 acres of shinnery habitat contributes to large blocks of habitat within the range of Lesser Prairie-Chicken. At least 103,500 acres of shinnery should contribute to large blocks of habitat. This additional acreage can be obtained by targeting native CRP plantings in areas with nearby shinnery to create large blocks of habitat. Currently, areas with close to 1,000 acres of shinnery should be the focus of newly planted native CRP acreage to create 5,000 acre blocks with at least 2,000 acres of Shinnery and/or CRP. The PLJV is available to assist with locating areas of shinnery that could be the focus of targeted CRP plantings.

Shortgrass

For shortgrass habitat, add 1,000,000 acres of shortgrass prairie, in the northern half of the Area. This acreage likely could come from controlling existing mesquite habitat to restore shortgrass prairie.

6,183,193 acres of shortgrass prairie should be managed so that it provides high grass and few shrubs. Ensure that 2,267,171 acres of shortgrass contributes to large blocks of habitat for Long-billed Curlew. Currently PLJV estimates that 1,154,196 acres of shortgrass contribute to large blocks. The restoration of mesquite savannah to shortgrass may contribute to this acreage need. Further gains in large blocks of habitat also could be obtained through reduce/controlling shrubs and increasing grass height heterogeneity through grazing management. Grassland management for Long-billed Curlew may include early spring burning and/or late winter grazing across much, though not all, of large block habitat areas. Currently these acres should be in the northwestern counties of the Area. Additionally, large blocks for curlews should have fresh water sources, such as streams, playas, or reservoirs.

To double current abundance of Mountain Plovers (a provisional goal), add 93,825 acres of either shortgrass and few shrubs or prairie-dog towns in the northwestern portion of the Area. This should support an additional 122 birds. For the purposes of this Plan, we added the acres to prairie-dog colonies for a total of 192,777 acres.

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. 2005. Waterfowl team report, v. 1.0. Technical companion document to the PLJV Implementation Planning Guide. 34pp.
- 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. Shorebird team report, v. 2.0. Technical companion document to the PLJV Implementation Planning Guide. 52pp.
- PLJV. 2007c. Landbird team report, v.1.0. Technical companion document to the PLJV Implementation Planning Guide.
- TPWD. 2005. Texas comprehensive wildlife conservation strategy. Austin, TX.
- USFWS and USGS. 2006. Strategic habitat conservation. Final report of the National Ecological Assessment Team. 45pp.
- Vodehnal, W. L., and J. B. Haufler, Compilers. 2007. A grassland conservation plan for prairie grouse. North American Grouse Partnership, Fruita, CO.

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.

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		CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Other Wetlands	Saline	20,660	1.0000	1.0000	1.00000	396.0000	8,181,499	11,366,098	71.98%
		20,662	1.0000	1.0000	1.00000	396.0000	8,182,086	11,366,098	71.90%
Other Wetlands	Emergent marsh	0	1.0000	1.0000	1.00000	396.0000	0	11,366,098	0.00%
		0	1.0000	1.0000	1.00000	396.0000	0	11,366,098	0.00%
Other Wetlands	Moist-soil unit	100	1.0000	1.0000	1.00000	1,253.0000	124,859	11,366,098	1.10%
		28,982	1.0000	1.0000	1.00000	1,253.0000	36,314,656	11,366,098	319.40%
Playa	Wet	69,124	1.0000	1.0000	1.00000	127.0000	8,778,773	11,366,098	77.24%
		40,257	1.0000	1.0000	1.00000	127.0000	5,112,674	11,366,098	44.90%
Riverine Systems	Wet meadow	164,074	1.0000	1.0000	1.00000	396.0000	64,973,335	11,366,098	571.64%
		164,074	1.0000	1.0000	1.00000	396.0000	64,973,335	11,366,098	571.60%
Riverine Systems	Floodplain marsh	0	1.0000	1.0000	1.00000	396.0000	0	11,366,098	0.00%
		0	1.0000	1.0000	1.00000	396.0000	0	11,366,098	0.00%
Summary for Fall (6 records)				<i>Pre-planning Sum</i>		82,058,466		721.96%	
				<i>Post-planning Sum</i>		114,582,751		1007.80%	

<i>Species/Guild Name: Cranes</i>		<i>Season: Spring</i>							
Assoc Name	Condition Name	Condition			Large		CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Other Wetlands	Moist-soil unit	100	1.0000	1.0000	1.00000	1,253.0000	124,859	4,030,530	3.10%
		28,982	1.0000	1.0000	1.00000	1,253.0000	36,314,656	4,030,530	900.90%
Other Wetlands	Saline	20,660	1.0000	1.0000	1.00000	396.0000	8,181,499	4,030,530	202.99%
		20,662	1.0000	1.0000	1.00000	396.0000	8,182,086	4,030,530	203.00%
Other Wetlands	Emergent marsh	0	1.0000	1.0000	1.00000	396.0000	0	4,030,530	0.00%
		0	1.0000	1.0000	1.00000	396.0000	0	4,030,530	0.00%
Playa	Wet	69,124	1.0000	1.0000	1.00000	127.0000	8,778,773	4,030,530	217.81%
		40,257	1.0000	1.0000	1.00000	127.0000	5,112,674	4,030,530	126.80%
Riverine Systems	Wet meadow	164,074	1.0000	1.0000	1.00000	396.0000	64,973,335	4,030,530	1612.03%
		164,074	1.0000	1.0000	1.00000	396.0000	64,973,335	4,030,530	1612.00%
Riverine Systems	Floodplain marsh	0	1.0000	1.0000	1.00000	396.0000	0	4,030,530	0.00%
		0	1.0000	1.0000	1.00000	396.0000	0	4,030,530	0.00%
Summary for Spring (6 records)				<i>Pre-planning Sum</i>		82,058,466		2035.92%	
				<i>Post-planning Sum</i>		114,582,751		2842.70%	

<i>Species/Guild Name: Cranes</i>		<i>Season: Winter</i>							
Assoc Name	Condition Name	Condition			Large		CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Cropland	Sorghum	1,522,321	1.0000	1.0000	1.00000	252.0000	383,624,788	6,377,365	6015.41%
		1,167,740	1.0000	1.0000	1.00000	252.0000	294,270,371	6,377,365	4614.20%
Cropland	Peanuts	167,860	1.0000	1.0000	1.00000	252.0000	42,300,832	6,377,365	663.30%
		128,762	1.0000	1.0000	1.00000	252.0000	32,448,064	6,377,365	508.80%
Cropland	Wheat	2,962,882	1.0000	1.0000	1.00000	396.0000	1,173,301,097	6,377,365	18397.90
		3,435,508	1.0000	1.0000	1.00000	396.0000	1,360,460,997	6,377,365	21332.60
Cropland	Corn	690,254	1.0000	1.0000	1.00000	396.0000	273,340,475	6,377,365	4286.10%
		529,479	1.0000	1.0000	1.00000	396.0000	209,673,633	6,377,365	3287.70%
Summary for Winter (4 records)				<i>Pre-planning Sum</i>		1,872,567,192		29362.71%	
				<i>Post-planning Sum</i>		1,896,853,065		29743.30%	

<i>Species/Guild Name: Shorebirds-Nonbreeding-Upland</i>		<i>Season: Nonbreeding</i>							
Assoc Name	Condition Name	Condition			Large		CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Cropland	Pasture	0	1.0000	0.0001	1.00000	284.0000	0	140	0.00%

		0	1.0000	0.0001	1.00000	284.0000	0	140	0.00%
Cropland	Alfalfa	0	1.0000	0.0001	1.00000	284.0000	0	140	0.00%
		0	1.0000	0.0001	1.00000	284.0000	0	140	0.00%
Cropland	Sod farm	4,341	1.0000	0.0100	1.00000	284.0000	12,329	140	8806.43%
		3,330	1.0000	0.0100	1.00000	284.0000	9,457	140	6755.00%
CRP	Non-native	2,472,221	1.0000	0.0001	1.00000	284.0000	70,211	140	50150.71
		0	1.0000	0.0001	1.00000	284.0000	0	140	0.00%
CRP	Native	274,691	1.0000	0.0001	1.00000	284.0000	7,801	140	5572.14%
		4,432,183	1.0000	0.0001	1.00000	284.0000	125,874	140	89910.00%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.86%
		26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.80%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.86%
		26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.80%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.86%
		26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.80%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.86%
		26,012	1.0000	0.0001	1.00000	284.0000	739	140	527.80%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	0.0001	1.00000	284.0000	52,973	140	37837.86
		6,182,881	1.0000	0.0001	1.00000	284.0000	175,594	140	125424.20%
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	0.0001	1.00000	284.0000	52,973	140	37837.86
		728,063	1.0000	0.0001	1.00000	284.0000	20,677	140	14769.20
Shortgrass	PD town	98,931	1.0000	0.0001	1.00000	284.0000	2,810	140	2007.14%
		192,756	1.0000	0.0001	1.00000	284.0000	5,474	140	3910.00%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	0.0001	1.00000	284.0000	52,973	140	37837.86
		728,063	1.0000	0.0001	1.00000	284.0000	20,677	140	14769.20
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	0.0001	1.00000	284.0000	52,973	140	37837.86
		728,063	1.0000	0.0001	1.00000	284.0000	20,677	140	14769.20
Summary for Nonbreeding (14 records)						Pre-planning Sum	307,999		219999.28%
						Post-planning Sum	381,386		272417.90%

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	Moist-soil unit	100	1.0000	0.1500	1.00000	202.0000	3,019	3,922,338	0.08%
		28,982	1.0000	0.4100	1.00000	202.0000	2,400,303	3,922,338	61.10%
Other Wetlands	Saline	20,660	1.0000	0.1500	1.00000	202.0000	626,009	3,922,338	15.96%
		20,662	1.0000	0.1500	1.00000	202.0000	626,054	3,922,338	15.90%
Other Wetlands	Emergent marsh	0	1.0000	0.1000	1.00000	202.0000	0	3,922,338	0.00%
		0	1.0000	0.1000	1.00000	202.0000	0	3,922,338	0.00%
Playa	Wet	69,124	1.0000	0.1000	1.00000	202.0000	1,396,309	3,922,338	35.60%
		40,257	1.0000	0.1000	1.00000	202.0000	813,197	3,922,338	20.70%
Playa	Wet pit only	17,281	1.0000	0.0010	1.00000	202.0000	3,491	3,922,338	0.09%
		17,294	1.0000	0.0010	1.00000	202.0000	3,493	3,922,338	0.00%
Reservoirs Lakes Ponds	Lagoon	2,312	1.0000	0.0050	1.00000	202.0000	2,335	3,922,338	0.06%
		2,312	1.0000	0.0050	1.00000	202.0000	2,335	3,922,338	0.00%
Reservoirs Lakes Ponds	Freshwater lake	0	1.0000	0.0050	1.00000	202.0000	0	3,922,338	0.00%
		0	1.0000	0.0050	1.00000	202.0000	0	3,922,338	0.00%
Reservoirs Lakes Ponds	Stock pond	45,183	1.0000	0.0050	1.00000	202.0000	45,635	3,922,338	1.16%
		45,183	1.0000	0.0050	1.00000	202.0000	45,635	3,922,338	1.10%
Reservoirs Lakes Ponds	Reservoir	70,574	1.0000	0.0050	1.00000	202.0000	71,280	3,922,338	1.82%
		70,574	1.0000	0.0050	1.00000	202.0000	71,280	3,922,338	1.80%
Riverine Systems	Floodplain marsh	0	1.0000	0.0130	1.00000	202.0000	0	3,922,338	0.00%
		0	1.0000	0.0130	1.00000	202.0000	0	3,922,338	0.00%
Riverine Systems	River channel	1,942	1.0000	0.0100	1.00000	202.0000	3,923	3,922,338	0.10%
		1,942	1.0000	0.0100	1.00000	202.0000	3,923	3,922,338	0.10%
Summary for Nonbreeding (11 records)						Pre-planning Sum	2,152,001		54.86%
						Post-planning Sum	3,966,220		100.70%

Species/Guild Name: Waterfowl-Nonbreeding

Season: Fall

Assoc Name	Condition Name	Condition			Large		CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Cropland	Wheat	2,962,882	1.0000	0.0000	1.00000	1,336.0000	0	72,273,401	0.00%
		3,435,508	1.0000	0.0000	1.00000	1,336.0000	0	72,273,401	0.00%
Cropland	Corn	690,254	1.0000	0.0000	1.00000	668.0000	0	72,273,401	0.00%
		529,479	1.0000	0.0000	1.00000	668.0000	0	72,273,401	0.00%
Cropland	Peanuts	167,860	1.0000	0.0000	1.00000	849.0000	0	72,273,401	0.00%
		128,762	1.0000	0.0000	1.00000	849.0000	0	72,273,401	0.00%
Cropland	Sorghum	1,522,321	1.0000	0.0000	1.00000	849.0000	0	72,273,401	0.00%
		1,167,740	1.0000	0.0000	1.00000	849.0000	0	72,273,401	0.00%
Other Wetlands	Moist-soil unit	100	1.0000	1.0000	1.00000	4,223.0000	420,814	72,273,401	0.58%
		28,982	1.0000	1.0000	1.00000	4,223.0000	122,391,692	72,273,401	169.30%
Other Wetlands	Saline	20,660	1.0000	1.0000	1.00000	1,336.0000	27,602,230	72,273,401	38.19%
		20,662	1.0000	1.0000	1.00000	1,336.0000	27,604,209	72,273,401	38.10%
Other Wetlands	Emergent marsh	0	1.0000	1.0000	1.00000	1,336.0000	0	72,273,401	0.00%
		0	1.0000	1.0000	1.00000	1,336.0000	0	72,273,401	0.00%
Playa	Wet	69,124	1.0000	1.0000	1.00000	428.0000	29,585,158	72,273,401	40.94%
		40,257	1.0000	1.0000	1.00000	428.0000	17,230,113	72,273,401	23.80%
Reservoirs Lakes Ponds	Freshwater lake	0	1.0000	0.0500	1.00000	225.0000	0	72,273,401	0.00%
		0	1.0000	0.0500	1.00000	225.0000	0	72,273,401	0.00%
Reservoirs Lakes Ponds	Reservoir	70,574	1.0000	0.0500	1.00000	225.0000	793,962	72,273,401	1.10%
		70,574	1.0000	0.0500	1.00000	225.0000	793,962	72,273,401	1.00%
Reservoirs Lakes Ponds	Stock pond	45,183	1.0000	0.4000	1.00000	225.0000	4,066,514	72,273,401	5.63%
		45,183	1.0000	0.4000	1.00000	225.0000	4,066,514	72,273,401	5.60%
Reservoirs Lakes Ponds	Lagoon	2,312	1.0000	0.4000	1.00000	428.0000	395,737	72,273,401	0.55%
		2,312	1.0000	0.4000	1.00000	428.0000	395,737	72,273,401	0.50%
Riverine Systems	River channel	1,942	1.0000	1.0000	1.00000	50.0000	97,103	72,273,401	0.13%
		1,942	1.0000	1.0000	1.00000	50.0000	97,103	72,273,401	0.13%
Riverine Systems	Floodplain marsh	0	1.0000	1.0000	1.00000	1,336.0000	0	72,273,401	0.00%
		0	1.0000	1.0000	1.00000	1,336.0000	0	72,273,401	0.00%
Summary for Fall (14 records)					Pre-planning Sum		62,961,518		87.11%
					Post-planning Sum		172,579,330		238.40%

Species/Guild Name: Waterfowl-Nonbreeding

Season: Spring

Assoc Name	Condition Name	Condition			Large		CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Cropland	Corn	690,254	1.0000	0.0000	1.00000	668.0000	0	173,714,09	0.00%
		529,479	1.0000	0.0000	1.00000	668.0000	0	173,714,09	0.00%
Cropland	Wheat	2,962,882	1.0000	0.0000	1.00000	1,336.0000	0	173,714,09	0.00%
		3,435,508	1.0000	0.0000	1.00000	1,336.0000	0	173,714,09	0.00%
Cropland	Sorghum	1,522,321	1.0000	0.0000	1.00000	849.0000	0	173,714,09	0.00%
		1,167,740	1.0000	0.0000	1.00000	849.0000	0	173,714,09	0.00%
Cropland	Peanuts	167,860	1.0000	0.0000	1.00000	849.0000	0	173,714,09	0.00%
		128,762	1.0000	0.0000	1.00000	849.0000	0	173,714,09	0.00%
Other Wetlands	Emergent marsh	0	1.0000	1.0000	1.00000	1,336.0000	0	173,714,09	0.00%
		0	1.0000	1.0000	1.00000	1,336.0000	0	173,714,09	0.00%
Other Wetlands	Moist-soil unit	100	1.0000	1.0000	1.00000	4,223.0000	420,814	173,714,09	0.24%
		28,982	1.0000	1.0000	1.00000	4,223.0000	122,391,692	173,714,09	70.40%
Other Wetlands	Saline	20,660	1.0000	1.0000	1.00000	1,336.0000	27,602,230	173,714,09	15.89%
		20,662	1.0000	1.0000	1.00000	1,336.0000	27,604,209	173,714,09	15.80%
Playa	Wet	69,124	1.0000	1.0000	1.00000	428.0000	29,585,158	173,714,09	17.03%
		40,257	1.0000	1.0000	1.00000	428.0000	17,230,113	173,714,09	9.90%
Reservoirs Lakes Ponds	Stock pond	45,183	1.0000	0.4000	1.00000	225.0000	4,066,514	173,714,09	2.34%
		45,183	1.0000	0.4000	1.00000	225.0000	4,066,514	173,714,09	2.30%
Reservoirs Lakes Ponds	Freshwater lake	0	1.0000	0.0500	1.00000	225.0000	0	173,714,09	0.00%
		0	1.0000	0.0500	1.00000	225.0000	0	173,714,09	0.00%
Reservoirs Lakes Ponds	Lagoon	2,312	1.0000	0.4000	1.00000	428.0000	395,737	173,714,09	0.23%
		2,312	1.0000	0.4000	1.00000	428.0000	395,737	173,714,09	0.20%
Reservoirs Lakes Ponds	Reservoir	70,574	1.0000	0.0500	1.00000	225.0000	793,962	173,714,09	0.46%
		70,574	1.0000	0.0500	1.00000	225.0000	793,962	173,714,09	0.40%

Riverine Systems	Floodplain marsh	0	1.0000	1.0000	1.00000	1,336.0000	0	173,714.09	0.00%
		0	1.0000	1.0000	1.00000	1,336.0000	0	173,714.09	0.00%
Riverine Systems	River channel	1,942	1.0000	1.0000	1.00000	50.0000	97,103	173,714.09	0.06%
		1,942	1.0000	1.0000	1.00000	50.0000	97,103	173,714.09	0.00%
Summary for Spring (14 records)					<i>Pre-planning Sum</i>		62,961,518		36.24%
					<i>Post-planning Sum</i>		172,579,330		99.00%

Species/Guild Name: Waterfowl-Nonbreeding

Season: Winter

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Wheat	2,962,882	1.0000	1.0000	1.00000	1,336.0000		30,040,332	
		3,435,508	1.0000	1.0000	1.00000	1,336.0000		30,040,332	
Cropland	Sorghum	1,522,321	1.0000	1.0000	1.00000	849.0000	1,292,450,177	30,040,332	4302.38%
		1,167,740	1.0000	1.0000	1.00000	849.0000	991,410,893	30,040,332	3300.20%
Cropland	Corn	690,254	1.0000	1.0000	1.00000	668.0000	461,089,489	30,040,332	1534.90%
		529,479	1.0000	1.0000	1.00000	668.0000	353,691,887	30,040,332	1177.30%
Cropland	Peanuts	167,860	1.0000	1.0000	1.00000	849.0000	142,513,518	30,040,332	474.41%
		128,762	1.0000	1.0000	1.00000	849.0000	109,319,072	30,040,332	363.90%
Other Wetlands	Moist-soil unit	100	0.3000	1.0000	1.00000	4,223.0000	126,244	30,040,332	0.42%
		28,982	0.3000	1.0000	1.00000	4,223.0000	36,717,508	30,040,332	122.20%
Other Wetlands	Saline	20,660	0.3000	1.0000	1.00000	1,336.0000	8,280,669	30,040,332	0.00%
		20,662	0.3000	1.0000	1.00000	1,336.0000	8,281,263	30,040,332	27.50%
Other Wetlands	Emergent marsh	0	0.3000	1.0000	1.00000	1,336.0000	0	30,040,332	0.00%
		0	0.3000	1.0000	1.00000	1,336.0000	0	30,040,332	0.00%
Playa	Wet	69,124	0.3000	1.0000	1.00000	428.0000	8,875,547	30,040,332	29.55%
		40,257	0.3000	1.0000	1.00000	428.0000	5,169,034	30,040,332	17.20%
Reservoirs Lakes Ponds	Stock pond	45,183	0.3000	0.4000	1.00000	225.0000	1,219,954	30,040,332	4.06%
		45,183	0.3000	0.4000	1.00000	225.0000	1,219,954	30,040,332	4.00%
Reservoirs Lakes Ponds	Lagoon	2,312	0.3000	0.4000	1.00000	428.0000	118,721	30,040,332	0.40%
		2,312	0.3000	0.4000	1.00000	428.0000	118,721	30,040,332	0.30%
Reservoirs Lakes Ponds	Reservoir	70,574	0.3000	0.0500	1.00000	225.0000	238,189	30,040,332	0.79%
		70,574	0.3000	0.0500	1.00000	225.0000	238,189	30,040,332	0.70%
Reservoirs Lakes Ponds	Freshwater lake	0	0.3000	0.0500	1.00000	225.0000	0	30,040,332	0.00%
		0	0.3000	0.0500	1.00000	225.0000	0	30,040,332	0.00%
Riverine Systems	Floodplain marsh	0	0.3000	1.0000	1.00000	1,336.0000	0	30,040,332	0.00%
		0	0.3000	1.0000	1.00000	1,336.0000	0	30,040,332	0.00%
Riverine Systems	River channel	1,942	0.3000	1.0000	1.00000	50.0000	29,131	30,040,332	0.10%
		1,942	0.3000	1.0000	1.00000	50.0000	29,131	30,040,332	0.00%
Summary for Winter (14 records)					<i>Pre-planning Sum</i>		1,914,941,639		6347.00%
					<i>Post-planning Sum</i>		1,506,195,652		5013.30%

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: Bullock's Oriole</i>			<i>Season: Breeding</i>						
Assoc Name	Condition Name	Condition	Avail.	Suit.	Large		CC	Goal	% of Goal
		Acres			Block	Units			
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.0172	20,678	38,572	53.61%
		2,736,768	1.0000	1.0000	1.00000	0.0172	47,072	38,572	122.04%
Other	Urban/Suburban	222,810	1.0000	1.0000	1.00000	0.0086	1,916	38,572	4.97%
		222,810	1.0000	1.0000	1.00000	0.0086	1,916	38,572	4.97%
Riverine Systems	Riparian canopy - early successional w/ understory	99,869	1.0000	1.0000	1.00000	0.0480	4,794	38,572	12.43%
		99,869	1.0000	1.0000	1.00000	0.0480	4,794	38,572	12.43%
Riverine Systems	Riparian canopy - late successional w/o understory	66,559	1.0000	1.0000	1.00000	0.0480	3,195	38,572	8.28%
		66,559	1.0000	1.0000	1.00000	0.0480	3,195	38,572	8.28%
Riverine Systems	Riparian canopy - early successional w/o understor	99,869	1.0000	1.0000	1.00000	0.0480	4,794	38,572	12.43%
		99,869	1.0000	1.0000	1.00000	0.0480	4,794	38,572	12.43%
Riverine Systems	Riparian canopy - late successional w/ understory	66,559	1.0000	1.0000	1.00000	0.0480	3,195	38,572	8.28%
		66,559	1.0000	1.0000	1.00000	0.0480	3,195	38,572	8.28%
Summary for Breeding (6 records)					<i>Pre-planning Sum</i>		38,572		100.00%
					<i>Post-planning Sum</i>		64,966		168.43%

<i>Species/Guild Name: Burrowing Owl</i>			<i>Season: Breeding</i>						
Assoc Name	Condition Name	Condition	Avail.	Suit.	Large		CC	Goal	% of Goal
		Acres			Block	Units			
Shortgrass	PD town	98,931	1.0000	0.4000	1.00000	0.2132	8,437	8,437	100.00%
		192,756	1.0000	0.4000	1.00000	0.2132	16,438	8,437	194.83%
Summary for Breeding (1 record)					<i>Pre-planning Sum</i>		8,437		100.00%
					<i>Post-planning Sum</i>		16,438		194.83%

<i>Species/Guild Name: Cassin's Sparrow</i>			<i>Season: Breeding</i>						
Assoc Name	Condition Name	Condition	Avail.	Suit.	Large		CC	Goal	% of Goal
		Acres			Block	Units			
CRP	Non-native	2,472,221	1.0000	1.0000	1.00000	0.3440	850,444	3,660,669	23.23%
		0	1.0000	1.0000	1.00000	0.3440	0	3,660,669	0.00%
CRP	Native	274,691	1.0000	1.0000	1.00000	1.3760	377,975	3,660,669	10.33%
		4,432,183	1.0000	1.0000	1.00000	1.3760	6,098,684	3,660,669	166.60%
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.2040	572,262	3,660,669	15.63%
		270,669	1.0000	1.0000	1.00000	0.2040	55,217	3,660,669	1.51%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.2040	245,255	3,660,669	6.70%
		2,736,768	1.0000	1.0000	1.00000	0.2040	558,301	3,660,669	15.25%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
		26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
		26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
		26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
		26,012	1.0000	1.0000	1.00000	0.0623	1,621	3,660,669	0.04%
Sand Sage	High grass	33,518	1.0000	1.0000	1.00000	0.2040	6,838	3,660,669	0.19%
		33,518	1.0000	1.0000	1.00000	0.2040	6,838	3,660,669	0.19%
Sand Sage	Low grass	636,844	1.0000	1.0000	1.00000	0.2040	129,916	3,660,669	3.55%
		636,844	1.0000	1.0000	1.00000	0.2040	129,916	3,660,669	3.55%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
		199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
		199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%

Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
		199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
		199,040	1.0000	1.0000	1.00000	0.2040	40,604	3,660,669	1.11%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0623	116,206	3,660,669	3.17%
		6,182,881	1.0000	1.0000	1.00000	0.0623	385,193	3,660,669	10.52%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0623	116,206	3,660,669	3.17%
		728,063	1.0000	1.0000	1.00000	0.0623	45,358	3,660,669	1.24%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	1.00000	0.0623	116,206	3,660,669	3.17%
		728,063	1.0000	1.0000	1.00000	0.0623	45,358	3,660,669	1.24%
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	1.0000	1.00000	0.0623	116,206	3,660,669	3.17%
		728,063	1.0000	1.0000	1.00000	0.0623	45,358	3,660,669	1.24%
Summary for Breeding (18 records)					<i>Pre-planning Sum</i>		2,816,414		76.93%
					<i>Post-planning Sum</i>		7,539,123		205.95%

Species/Guild Name: Chihuahuan Raven

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Mesquite Savannah	Savannah	1,202,231	0.7000	1.0000	1.00000	0.0084	7,069	59,563	11.87%
		2,736,768	0.7000	1.0000	1.00000	0.0084	16,092	59,563	27.02%
Sand Sage	High grass	33,518	0.7000	1.0000	1.00000	0.0084	197	59,563	0.33%
		33,518	0.7000	1.0000	1.00000	0.0084	197	59,563	0.33%
Sand Sage	Low grass	636,844	0.7000	1.0000	1.00000	0.0084	3,745	59,563	6.29%
		636,844	0.7000	1.0000	1.00000	0.0084	3,745	59,563	6.29%
Shinnery	Many shrubs/high grass	199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
		199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
Shinnery	Many shrubs/low grass	199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
		199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
Shinnery	Few shrubs/low grass	199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
		199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
Shinnery	Few shrubs/high grass	199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
		199,040	0.7000	1.0000	1.00000	0.0084	1,170	59,563	1.96%
Shortgrass	Few shrubs/ low grass	1,865,263	0.7000	1.0000	1.00000	0.0084	10,968	59,563	18.41%
		728,063	0.7000	1.0000	1.00000	0.0084	4,281	59,563	7.19%
Shortgrass	Many shrubs/high grass	1,865,263	0.7000	1.0000	1.00000	0.0084	10,968	59,563	18.41%
		728,063	0.7000	1.0000	1.00000	0.0084	4,281	59,563	7.19%
Shortgrass	Many shrubs/low grass	1,865,263	0.7000	1.0000	1.00000	0.0084	10,968	59,563	18.41%
		728,063	0.7000	1.0000	1.00000	0.0084	4,281	59,563	7.19%
Shortgrass	Few shrubs/high grass	1,865,263	0.7000	1.0000	1.00000	0.0084	10,968	59,563	18.41%
		6,182,881	0.7000	1.0000	1.00000	0.0084	36,355	59,563	61.04%
Summary for Breeding (11 records)					<i>Pre-planning Sum</i>		59,563		100.00%
					<i>Post-planning Sum</i>		73,912		124.09%

Species/Guild Name: Dickcissel

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Sunflowers	23,877	1.0000	1.0000	1.00000	0.0032	76	33,819	0.22%
		18,315	1.0000	1.0000	1.00000	0.0032	59	33,819	0.17%
Cropland	Soybeans	46,306	1.0000	1.0000	1.00000	0.0032	148	33,819	0.44%
		35,521	1.0000	1.0000	1.00000	0.0032	114	33,819	0.34%
Cropland	Alfalfa	0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
		0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
Cropland	Peanuts	167,860	1.0000	1.0000	1.00000	0.0043	722	33,819	2.13%
		128,762	1.0000	1.0000	1.00000	0.0043	554	33,819	1.64%
Cropland	Sorghum	1,522,321	1.0000	1.0000	1.00000	0.0032	4,871	33,819	14.40%
		1,167,740	1.0000	1.0000	1.00000	0.0032	3,737	33,819	11.05%
Cropland	Corn	690,254	1.0000	1.0000	1.00000	0.0032	2,209	33,819	6.53%
		529,479	1.0000	1.0000	1.00000	0.0032	1,694	33,819	5.01%
Cropland	Hay	0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
		0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%

Cropland	Wheat	2,962,882	1.0000	1.0000	1.00000	0.0032	9,481	33,819	28.03%
		3,435,508	1.0000	1.0000	1.00000	0.0032	10,994	33,819	32.51%
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
		0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
Cropland	Fallow	0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
		0	1.0000	1.0000	1.00000	0.0032	0	33,819	0.00%
CRP	Non-native	2,472,221	1.0000	1.0000	1.00000	0.0050	12,361	33,819	36.55%
		0	1.0000	1.0000	1.00000	0.0050	0	33,819	0.00%
CRP	Native	274,691	1.0000	1.0000	1.00000	0.0050	1,373	33,819	4.06%
		4,432,183	1.0000	1.0000	1.00000	0.0050	22,161	33,819	65.53%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
		26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
		26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
		26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
		26,012	1.0000	1.0000	1.00000	0.0043	112	33,819	0.33%
Playa	Dry	259,216	1.0000	1.0000	1.00000	0.0043	1,115	33,819	3.30%
		259,218	1.0000	1.0000	1.00000	0.0043	1,115	33,819	3.30%
Riverine Systems	Native riparian shrubland	89,688	1.0000	1.0000	1.00000	0.0040	359	33,819	1.06%
		89,688	1.0000	1.0000	1.00000	0.0040	359	33,819	1.06%
Riverine Systems	Wet meadow	164,074	1.0000	1.0000	1.00000	0.0040	656	33,819	1.94%
		164,074	1.0000	1.0000	1.00000	0.0040	656	33,819	1.94%
Summary for Breeding (19 records)					<i>Pre-planning Sum</i>		33,819		99.99%
					<i>Post-planning Sum</i>		41,891		123.86%

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	0	0.5000	1.0000	1.00000	0.0032	0	12,382	0.00%	
		0	0.5000	1.0000	1.00000	0.0032	0	12,382	0.00%	
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0032	0	12,382	0.00%	
		0	1.0000	1.0000	1.00000	0.0032	0	12,382	0.00%	
Cropland	Hay	0	0.5000	1.0000	1.00000	0.0032	0	12,382	0.00%	
		0	0.5000	1.0000	1.00000	0.0032	0	12,382	0.00%	
CRP	Non-native	2,472,221	0.5000	1.0000	1.00000	0.0032	3,956	12,382	31.95%	
		0	0.5000	1.0000	1.00000	0.0032	0	12,382	0.00%	
CRP	Native	274,691	0.5000	1.0000	1.00000	0.0032	440	12,382	3.55%	
		4,432,183	0.5000	1.0000	1.00000	0.0032	7,092	12,382	57.27%	
Mixed Grass	Many shrubs/low grass	26,012	0.5000	1.0000	1.00000	0.0144	187	12,382	1.51%	
		26,012	0.5000	1.0000	1.00000	0.0144	187	12,382	1.51%	
Mixed Grass	Few shrubs/high grass	26,012	0.5000	1.0000	1.00000	0.0037	48	12,382	0.39%	
		26,012	0.5000	1.0000	1.00000	0.0037	48	12,382	0.39%	
Mixed Grass	Many shrubs/high grass	26,012	0.5000	1.0000	1.00000	0.0198	258	12,382	2.08%	
		26,012	0.5000	1.0000	1.00000	0.0198	258	12,382	2.08%	
Mixed Grass	Few shrubs/ low grass	26,012	0.5000	1.0000	1.00000	0.0027	35	12,382	0.28%	
		26,012	0.5000	1.0000	1.00000	0.0027	35	12,382	0.28%	
Playa	Dry	259,216	0.5000	1.0000	1.00000	0.0122	1,581	12,382	12.77%	
		259,218	0.5000	1.0000	1.00000	0.0122	1,581	12,382	12.77%	
Riverine Systems	Wet meadow	164,074	0.5000	1.0000	1.00000	0.0122	1,001	12,382	8.08%	
		164,074	0.5000	1.0000	1.00000	0.0122	1,001	12,382	8.08%	
Shinnery	Few shrubs/low grass	199,040	0.5000	1.0000	1.00000	0.0076	756	12,382	6.11%	
		199,040	0.5000	1.0000	1.00000	0.0076	756	12,382	6.11%	
Shinnery	Many shrubs/high grass	199,040	0.5000	1.0000	1.00000	0.0179	1,781	12,382	14.38%	
		199,040	0.5000	1.0000	1.00000	0.0179	1,781	12,382	14.38%	
Shinnery	Many shrubs/low grass	199,040	0.5000	1.0000	1.00000	0.0131	1,304	12,382	10.53%	
		199,040	0.5000	1.0000	1.00000	0.0131	1,304	12,382	10.53%	
Shinnery	Few shrubs/high grass	199,040	0.5000	1.0000	1.00000	0.0104	1,035	12,382	8.36%	
		199,040	0.5000	1.0000	1.00000	0.0104	1,035	12,382	8.36%	

Summary for Breeding (15 records)

Pre-planning Sum
Post-planning Sum

12,382
15,078

99.99%
121.77%

Species/Guild Name: Grasshopper Sparrow

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Hay	0	0.6000	0.6000	1.00000	0.0091	0	704,573	0.00%
		0	0.6000	1.0000	1.00000	0.0091	0	704,573	0.00%
Cropland	Pasture	0	0.6000	0.6000	1.00000	0.0091	0	704,573	0.00%
		0	0.6000	1.0000	1.00000	0.0091	0	704,573	0.00%
CRP	Non-native	2,472,221	1.0000	0.6000	1.00000	0.1087	161,238	704,573	22.88%
		0	1.0000	0.7521	1.00000	0.1087	0	704,573	0.00%
CRP	Native	274,691	1.0000	0.6000	1.00000	0.1087	17,915	704,573	2.54%
		4,432,183	1.0000	0.7521	1.00000	0.1087	362,346	704,573	51.43%
Mixed Grass	Few shrubs/high grass	26,012	0.6000	0.6000	1.00000	0.0790	740	704,573	0.11%
		26,012	0.6000	1.0000	1.00000	0.0790	1,233	704,573	0.17%
Mixed Grass	Few shrubs/ low grass	26,012	0.6000	0.6000	1.00000	0.0690	646	704,573	0.09%
		26,012	0.6000	1.0000	1.00000	0.0690	1,077	704,573	0.15%
Riverine Systems	Wet meadow	164,074	0.6000	0.6000	1.00000	0.1190	7,029	704,573	1.00%
		164,074	0.6000	1.0000	1.00000	0.1190	11,715	704,573	1.66%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	0.6000	1.00000	0.0690	77,222	704,573	10.96%
		728,063	1.0000	0.6353	1.00000	0.0690	31,915	704,573	4.53%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	0.6000	1.00000	0.0790	88,413	704,573	12.55%
		6,182,881	1.0000	0.6969	1.00000	0.0790	340,399	704,573	48.31%

Summary for Breeding (9 records)

Pre-planning Sum
Post-planning Sum

353,203
748,684

50.13%
106.26%

Species/Guild Name: Lark Bunting

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Pasture	0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
		0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
Cropland	Fallow	0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
		0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
Cropland	Alfalfa	0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
		0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
Cropland	Wheat	2,962,882	0.4000	1.0000	1.00000	0.0235	27,851	213,082	13.07%
		3,435,508	0.4000	1.0000	1.00000	0.0235	32,294	213,082	15.16%
Cropland	Hay	0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
		0	0.4000	1.0000	1.00000	0.0235	0	213,082	0.00%
Mixed Grass	Many shrubs/high grass	26,012	0.4000	1.0000	1.00000	0.0254	264	213,082	0.12%
		26,012	0.4000	1.0000	1.00000	0.0254	264	213,082	0.12%
Mixed Grass	Few shrubs/ low grass	26,012	0.4000	1.0000	1.00000	0.0229	238	213,082	0.11%
		26,012	0.4000	1.0000	1.00000	0.0229	238	213,082	0.11%
Mixed Grass	Few shrubs/high grass	26,012	0.4000	1.0000	1.00000	0.0277	288	213,082	0.14%
		26,012	0.4000	1.0000	1.00000	0.0277	288	213,082	0.14%
Mixed Grass	Many shrubs/low grass	26,012	0.4000	1.0000	1.00000	0.0211	220	213,082	0.10%
		26,012	0.4000	1.0000	1.00000	0.0211	220	213,082	0.10%
Sand Sage	High grass	33,518	0.4000	1.0000	1.00000	0.0235	315	213,082	0.15%
		33,518	0.4000	1.0000	1.00000	0.0235	315	213,082	0.15%
Sand Sage	Low grass	636,844	0.4000	1.0000	1.00000	0.0235	5,986	213,082	2.81%
		636,844	0.4000	1.0000	1.00000	0.0235	5,986	213,082	2.81%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	0.4000	1.00000	0.0277	20,667	213,082	9.70%
		6,182,881	1.0000	0.9980	1.00000	0.0277	170,923	213,082	80.21%
Shortgrass	PD town	98,931	0.4000	1.0000	1.00000	0.0229	906	213,082	0.43%
		192,756	0.4000	1.0000	1.00000	0.0229	1,766	213,082	0.83%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	0.4000	1.00000	0.0254	18,951	213,082	8.89%
		728,063	1.0000	0.4531	1.00000	0.0254	8,379	213,082	3.93%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	0.4000	1.00000	0.0229	17,086	213,082	8.02%
		728,063	1.0000	0.4531	1.00000	0.0229	7,554	213,082	3.55%

Shortgrass	Many shrubs/low grass	1,865,263	1.0000	0.4000	1.00000	0.0211	15,743	213,082	7.39%
		728,063	1.0000	0.4531	1.00000	0.0211	6,961	213,082	3.27%
Summary for Breeding (16 records)						<i>Pre-planning Sum</i>	108,515		50.92%
						<i>Post-planning Sum</i>	235,188		110.37%

Species/Guild Name: Lark Sparrow

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.1986	557,114	1,484,439	37.53%
		270,669	1.0000	1.0000	1.00000	0.1986	53,755	1,484,439	3.62%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.1986	238,763	1,484,439	16.08%
		2,736,768	1.0000	1.0000	1.00000	0.1986	543,522	1,484,439	36.61%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
		26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
		26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
		26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
		26,012	1.0000	1.0000	1.00000	0.0525	1,366	1,484,439	0.09%
Riverine Systems	Native riparian shrubland	89,688	1.0000	1.0000	1.00000	0.0016	144	1,484,439	0.01%
		89,688	1.0000	1.0000	1.00000	0.0016	144	1,484,439	0.01%
Sand Sage	High grass	33,518	1.0000	1.0000	1.00000	0.1986	6,657	1,484,439	0.45%
		33,518	1.0000	1.0000	1.00000	0.1986	6,657	1,484,439	0.45%
Sand Sage	Low grass	636,844	1.0000	1.0000	1.00000	0.1986	126,477	1,484,439	8.52%
		636,844	1.0000	1.0000	1.00000	0.1986	126,477	1,484,439	8.52%
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
		199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
		199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
		199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
		199,040	1.0000	1.0000	1.00000	0.1986	39,529	1,484,439	2.66%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0525	97,926	1,484,439	6.60%
		6,182,881	1.0000	1.0000	1.00000	0.0525	324,601	1,484,439	21.87%
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	1.0000	1.00000	0.0525	97,926	1,484,439	6.60%
		728,063	1.0000	1.0000	1.00000	0.0525	38,223	1,484,439	2.57%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0525	97,926	1,484,439	6.60%
		728,063	1.0000	1.0000	1.00000	0.0525	38,223	1,484,439	2.57%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	1.00000	0.0525	97,926	1,484,439	6.60%
		728,063	1.0000	1.0000	1.00000	0.0525	38,223	1,484,439	2.57%
Summary for Breeding (17 records)						<i>Pre-planning Sum</i>	1,484,439		99.99%
						<i>Post-planning Sum</i>	1,333,405		89.82%

Species/Guild Name: Lesser Prairie-Chicken

Season: Resident

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
CRP	Native	274,691	1.0000	1.0000	0.00500	0.0109	15	855	1.75%
		4,432,183	1.0000	1.0000	0.00810	0.0109	391	855	45.77%
CRP	Non-native	2,472,221	1.0000	1.0000	0.00500	0.0027	33	855	3.86%
		0	1.0000	1.0000	0.00810	0.0027	0	855	0.00%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	0.00500	0.0109	1	855	0.12%
		26,012	1.0000	1.0000	0.02000	0.0109	6	855	0.70%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	0.00500	0.0027	0	855	0.00%
		26,012	1.0000	1.0000	0.02000	0.0027	1	855	0.12%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	0.00500	0.0109	1	855	0.12%
		26,012	1.0000	1.0000	0.02000	0.0109	6	855	0.70%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	0.00500	0.0109	1	855	0.12%
		26,012	1.0000	1.0000	0.02000	0.0109	6	855	0.70%

Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	0.06500	0.0054	70	855	8.19%
		199,040	1.0000	1.0000	0.13000	0.0054	140	855	16.37%
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	0.06500	0.0054	70	855	8.19%
		199,040	1.0000	1.0000	0.13000	0.0054	140	855	16.37%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	0.06500	0.0014	18	855	2.11%
		199,040	1.0000	1.0000	0.13000	0.0014	36	855	4.21%
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	0.06500	0.0054	70	855	8.19%
		199,040	1.0000	1.0000	0.13000	0.0054	140	855	16.37%
Summary for Resident (10 records)					<i>Pre-planning Sum</i>		279		32.63%
					<i>Post-planning Sum</i>		866		101.32%

Species/Guild Name: Loggerhead Shrike

Season: Resident

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0044	0	111,878	0.00%
		0	1.0000	1.0000	1.00000	0.0044	0	111,878	0.00%
CRP	Non-native	2,472,221	1.0000	1.0000	1.00000	0.0039	9,642	111,878	8.62%
		0	1.0000	1.0000	1.00000	0.0039	0	111,878	0.00%
CRP	Native	274,691	1.0000	1.0000	1.00000	0.0039	1,071	111,878	0.96%
		4,432,183	1.0000	1.0000	1.00000	0.0039	17,286	111,878	15.45%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.0077	9,257	111,878	8.27%
		2,736,768	1.0000	1.0000	1.00000	0.0077	21,073	111,878	18.84%
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.0077	21,600	111,878	19.31%
		270,669	1.0000	1.0000	1.00000	0.0077	2,084	111,878	1.86%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
		26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
		26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
		26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
		26,012	1.0000	1.0000	1.00000	0.0077	200	111,878	0.18%
Sand Sage	High grass	33,518	1.0000	1.0000	1.00000	0.0077	258	111,878	0.23%
		33,518	1.0000	1.0000	1.00000	0.0077	258	111,878	0.23%
Sand Sage	Low grass	636,844	1.0000	1.0000	1.00000	0.0077	4,904	111,878	4.38%
		636,844	1.0000	1.0000	1.00000	0.0077	4,904	111,878	4.38%
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
		199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
		199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
		199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
		199,040	1.0000	1.0000	1.00000	0.0077	1,533	111,878	1.37%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0077	14,363	111,878	12.84%
		728,063	1.0000	1.0000	1.00000	0.0077	5,606	111,878	5.01%
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	1.0000	1.00000	0.0077	14,363	111,878	12.84%
		728,063	1.0000	1.0000	1.00000	0.0077	5,606	111,878	5.01%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0077	14,363	111,878	12.84%
		6,182,881	1.0000	1.0000	1.00000	0.0077	47,608	111,878	42.55%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	1.00000	0.0077	14,363	111,878	12.84%
		728,063	1.0000	1.0000	1.00000	0.0077	5,606	111,878	5.01%
Shortgrass	PD town	98,931	1.0000	1.0000	1.00000	0.0077	762	111,878	0.68%
		192,756	1.0000	1.0000	1.00000	0.0077	1,484	111,878	1.33%
Summary for Resident (20 records)					<i>Pre-planning Sum</i>		111,878		99.99%
					<i>Post-planning Sum</i>		118,446		105.86%

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	26,012	1.0000	1.0000	0.07500	0.0046	9	3,910	0.23%
		26,012	1.0000	1.0000	0.30000	0.0046	36	3,910	0.92%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	0.07500	0.0046	9	3,910	0.23%
		26,012	1.0000	1.0000	0.30000	0.0046	36	3,910	0.92%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	0.11200	0.0046	961	3,910	24.58%
		6,182,881	1.0000	1.0000	0.20000	0.0046	5,688	3,910	145.47%
Shortgrass	PD town	98,931	1.0000	1.0000	0.11200	0.0046	51	3,910	1.30%
		192,756	1.0000	1.0000	0.20000	0.0046	177	3,910	4.53%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	0.11200	0.0046	961	3,910	24.58%
		728,063	1.0000	1.0000	0.20000	0.0046	670	3,910	17.14%
Summary for Breeding (5 records)				Pre-planning Sum			1,991		50.92%
				Post-planning Sum			6,607		168.97%

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	222,810	1.0000	1.0000	1.00000	0.2312	51,514	53,388	96.49%
		222,810	1.0000	1.0000	1.00000	0.2312	51,514	53,388	96.49%
Riverine Systems	Riparian canopy - early successional w/o understor	99,869	0.8000	0.4000	1.00000	0.0176	562	53,388	1.05%
		99,869	0.8000	0.4000	1.00000	0.0176	562	53,388	1.05%
Riverine Systems	Riparian canopy - late successional w/o understory	66,559	0.8000	0.4000	1.00000	0.0176	375	53,388	0.70%
		66,559	0.8000	0.4000	1.00000	0.0176	375	53,388	0.70%
Riverine Systems	Riparian canopy - late successional w/ understory	66,559	0.8000	0.4000	1.00000	0.0176	375	53,388	0.70%
		66,559	0.8000	0.4000	1.00000	0.0176	375	53,388	0.70%
Riverine Systems	Riparian canopy - early successional w/ understory	99,869	0.8000	0.4000	1.00000	0.0176	562	53,388	1.05%
		99,869	0.8000	0.4000	1.00000	0.0176	562	53,388	1.05%
Summary for Breeding (5 records)				Pre-planning Sum			53,388		100.00%
				Post-planning Sum			53,388		100.00%

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	98,931	1.0000	0.0500	1.00000	0.0013	6	249	2.41%
		192,756	1.0000	0.5100	1.00000	0.0013	128	249	51.41%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	0.0500	1.00000	0.0013	121	249	48.59%
		728,063	1.0000	0.1275	1.00000	0.0013	121	249	48.59%
Summary for Breeding (2 records)				Pre-planning Sum			127		51.00%
				Post-planning Sum			249		100.00%

Species/Guild Name: Northern Bobwhite

Season: Resident

Assoc Name	Condition Name	Condition		Large			CC	Goal	% of Goal
		Acres	Avail.	Suit.	Block	Units			
Cropland	Corn	690,254	1.0000	1.0000	1.00000	0.0021	1,450	60,026	2.42%
		529,479	1.0000	1.0000	1.00000	0.0021	1,112	60,026	1.85%
Cropland	Sunflowers	23,877	1.0000	1.0000	1.00000	0.0021	50	60,026	0.08%
		18,315	1.0000	1.0000	1.00000	0.0021	38	60,026	0.06%
Cropland	Fallow	0	1.0000	1.0000	1.00000	0.0021	0	60,026	0.00%
		0	1.0000	1.0000	1.00000	0.0021	0	60,026	0.00%
Cropland	Soybeans	46,306	1.0000	1.0000	1.00000	0.0021	97	60,026	0.16%
		35,521	1.0000	1.0000	1.00000	0.0021	75	60,026	0.12%
Cropland	Hay	0	1.0000	1.0000	1.00000	0.0087	0	60,026	0.00%
		0	1.0000	1.0000	1.00000	0.0087	0	60,026	0.00%
Cropland	Sorghum	1,522,321	1.0000	1.0000	1.00000	0.0021	3,197	60,026	5.33%
		1,167,740	1.0000	1.0000	1.00000	0.0021	2,452	60,026	4.08%
Cropland	Wheat	2,962,882	1.0000	1.0000	1.00000	0.0021	6,222	60,026	10.37%
		3,435,508	1.0000	1.0000	1.00000	0.0021	7,215	60,026	12.02%

Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0087	0	60,026	0.00%
		0	1.0000	1.0000	1.00000	0.0087	0	60,026	0.00%
Cropland	Alfalfa	0	1.0000	1.0000	1.00000	0.0021	0	60,026	0.00%
		0	1.0000	1.0000	1.00000	0.0021	0	60,026	0.00%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
		26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
		26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
		26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
		26,012	1.0000	1.0000	1.00000	0.0087	226	60,026	0.38%
Riverine Systems	Riparian canopy - late successional w/ understory	66,559	1.0000	1.0000	1.00000	0.0980	6,523	60,026	10.87%
		66,559	1.0000	1.0000	1.00000	0.0980	6,523	60,026	10.87%
Riverine Systems	Native riparian shrubland	89,688	1.0000	1.0000	1.00000	0.0980	8,789	60,026	14.64%
		89,688	1.0000	1.0000	1.00000	0.0980	8,789	60,026	14.64%
Riverine Systems	Wet meadow	164,074	1.0000	1.0000	1.00000	0.0980	16,079	60,026	26.79%
		164,074	1.0000	1.0000	1.00000	0.0980	16,079	60,026	26.79%
Riverine Systems	Riparian canopy - early successional w/ understory	99,869	1.0000	1.0000	1.00000	0.0980	9,787	60,026	16.30%
		99,869	1.0000	1.0000	1.00000	0.0980	9,787	60,026	16.30%
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
		199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
		199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
		199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
		199,040	1.0000	1.0000	1.00000	0.0087	1,732	60,026	2.89%
Summary for Resident (21 records)					<i>Pre-planning Sum</i>		60,026		99.99%
					<i>Post-planning Sum</i>		59,902		99.78%

Species/Guild Name: Painted Bunting

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Riverine Systems	Native riparian shrubland	89,688	1.0000	1.0000	1.00000	0.0607	5,444	5,444	100.00%
		89,688	1.0000	1.0000	1.00000	0.0607	5,444	5,444	100.00%
Summary for Breeding (1 record)					<i>Pre-planning Sum</i>		5,444		100.00%
					<i>Post-planning Sum</i>		5,444		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	66,559	1.0000	1.0000	1.00000	0.0100	666	1,332	50.00%
		66,559	1.0000	1.0000	1.00000	0.0100	666	1,332	50.00%
Riverine Systems	Riparian canopy - late successional w/ understory	66,559	1.0000	1.0000	1.00000	0.0100	666	1,332	50.00%
		66,559	1.0000	1.0000	1.00000	0.0100	666	1,332	50.00%
Summary for Breeding (2 records)					<i>Pre-planning Sum</i>		1,332		100.00%
					<i>Post-planning Sum</i>		1,332		100.00%

Species/Guild Name: Ring-necked Pheasant

Season: Resident

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Sorghum	1,522,321	1.0000	0.6000	1.00000	0.0036	3,288	52,793	6.23%
		1,167,740	1.0000	0.6000	1.00000	0.0036	2,522	52,793	4.78%
Cropland	Soybeans	46,306	1.0000	0.6000	1.00000	0.0036	100	52,793	0.19%
		35,521	1.0000	0.6000	1.00000	0.0036	77	52,793	0.15%
Cropland	Hay	0	1.0000	0.6000	1.00000	0.0012	0	52,793	0.00%
		0	1.0000	0.6000	1.00000	0.0012	0	52,793	0.00%
Cropland	Peanuts	167,860	1.0000	0.6000	1.00000	0.0036	363	52,793	0.69%

		128,762	1.0000	0.6000	1.00000	0.0036	278	52,793	0.53%
Cropland	Wheat	2,962,882	1.0000	0.6000	1.00000	0.0036	6,400	52,793	12.12%
		3,435,508	1.0000	1.0000	1.00000	0.0036	12,368	52,793	23.43%
Cropland	Pasture	0	1.0000	0.6000	1.00000	0.0012	0	52,793	0.00%
		0	1.0000	0.6000	1.00000	0.0012	0	52,793	0.00%
Cropland	Fallow	0	1.0000	0.6000	1.00000	0.0012	0	52,793	0.00%
		0	1.0000	0.6000	1.00000	0.0012	0	52,793	0.00%
Cropland	Alfalfa	0	1.0000	0.6000	1.00000	0.0036	0	52,793	0.00%
		0	1.0000	0.6000	1.00000	0.0036	0	52,793	0.00%
Cropland	Sunflowers	23,877	1.0000	0.6000	1.00000	0.0036	52	52,793	0.10%
		18,315	1.0000	0.6000	1.00000	0.0036	40	52,793	0.08%
Cropland	Corn	690,254	1.0000	0.6000	1.00000	0.0036	1,491	52,793	2.82%
		529,479	1.0000	0.6000	1.00000	0.0036	1,144	52,793	2.17%
CRP	Non-native	2,472,221	1.0000	0.6000	1.00000	0.0094	13,943	52,793	26.41%
		0	1.0000	0.7521	1.00000	0.0094	0	52,793	0.00%
CRP	Native	274,691	1.0000	0.6000	1.00000	0.0094	1,549	52,793	2.93%
		4,432,183	1.0000	0.7521	1.00000	0.0094	31,334	52,793	59.35%
Other Wetlands	Emergent marsh	0	1.0000	0.6000	1.00000	0.0367	0	52,793	0.00%
		0	1.0000	0.6000	1.00000	0.0367	0	52,793	0.00%
Other Wetlands	Moist-soil unit	100	1.0000	0.6000	1.00000	0.0367	2	52,793	0.00%
		28,982	1.0000	1.0000	1.00000	0.0367	1,064	52,793	2.02%
Playa	Dry	259,216	1.0000	0.6000	1.00000	0.0013	202	52,793	0.38%
		259,218	1.0000	0.6000	1.00000	0.0013	202	52,793	0.38%
Riverine Systems	Native riparian shrubland	89,688	1.0000	0.6000	1.00000	0.0032	172	52,793	0.33%
		89,688	1.0000	0.6000	1.00000	0.0032	172	52,793	0.33%
Riverine Systems	Wet meadow	164,074	1.0000	0.6000	1.00000	0.0367	3,613	52,793	6.84%
		164,074	1.0000	0.6000	1.00000	0.0367	3,613	52,793	6.84%
Summary for Resident (17 records)						<i>Pre-planning Sum</i>	31,175		59.05%
						<i>Post-planning Sum</i>	52,814		100.03%

Species/Guild Name: Scaled Quail

Season: Resident

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.0187	52,457	226,995	23.11%
		270,669	1.0000	1.0000	1.00000	0.0187	5,062	226,995	2.23%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.0187	22,482	226,995	9.90%
		2,736,768	1.0000	1.0000	1.00000	0.0187	51,178	226,995	22.55%
Sand Sage	High grass	33,518	1.0000	1.0000	1.00000	0.0187	627	226,995	0.28%
		33,518	1.0000	1.0000	1.00000	0.0187	627	226,995	0.28%
Sand Sage	Low grass	636,844	1.0000	1.0000	1.00000	0.0187	11,909	226,995	5.25%
		636,844	1.0000	1.0000	1.00000	0.0187	11,909	226,995	5.25%
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	1.0000	1.00000	0.0187	34,880	226,995	15.37%
		728,063	1.0000	1.0000	1.00000	0.0187	13,615	226,995	6.00%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0187	34,880	226,995	15.37%
		728,063	1.0000	1.0000	1.00000	0.0187	13,615	226,995	6.00%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	1.00000	0.0187	34,880	226,995	15.37%
		728,063	1.0000	1.0000	1.00000	0.0187	13,615	226,995	6.00%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0187	34,880	226,995	15.37%
		6,182,881	1.0000	1.0000	1.00000	0.0187	115,620	226,995	50.94%
Summary for Resident (8 records)						<i>Pre-planning Sum</i>	226,995		100.00%
						<i>Post-planning Sum</i>	225,241		99.22%

Species/Guild Name: Scissor-tailed Flycatcher

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.0222	62,276	141,688	43.95%
		270,669	1.0000	1.0000	1.00000	0.0222	6,009	141,688	4.24%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.0441	53,018	141,688	37.42%
		2,736,768	1.0000	1.0000	1.00000	0.0441	120,691	141,688	85.18%

Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0441	8,778	141,688	6.20%
		199,040	1.0000	1.0000	1.00000	0.0441	8,778	141,688	6.20%
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0222	4,419	141,688	3.12%
		199,040	1.0000	1.0000	1.00000	0.0222	4,419	141,688	3.12%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0441	8,778	141,688	6.20%
		199,040	1.0000	1.0000	1.00000	0.0441	8,778	141,688	6.20%
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0222	4,419	141,688	3.12%
		199,040	1.0000	1.0000	1.00000	0.0222	4,419	141,688	3.12%
Summary for Breeding (6 records)					<i>Pre-planning Sum</i>		141,688		100.00%
					<i>Post-planning Sum</i>		153,094		108.05%

Species/Guild Name: Snowy Plover

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Other Wetlands	Saline	20,660	1.0000	1.0000	1.00000	0.0585	1,209	1,209	100.00%
		20,662	1.0000	1.0000	1.00000	0.0585	1,209	1,209	100.00%
Riverine Systems	Unvegetated sandbar	0	1.0000	1.0000	1.00000	0.0585	0	1,209	0.00%
		0	1.0000	1.0000	1.00000	0.0585	0	1,209	0.00%
Summary for Breeding (2 records)					<i>Pre-planning Sum</i>		1,209		100.00%
					<i>Post-planning Sum</i>		1,209		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	Wheat	2,962,882	1.0000	1.0000	1.00000	0.0022	6,518	47,323	13.77%
		3,435,508	1.0000	1.0000	1.00000	0.0022	7,558	47,323	15.97%
Cropland	Soybeans	46,306	1.0000	1.0000	1.00000	0.0022	102	47,323	0.22%
		35,521	1.0000	1.0000	1.00000	0.0022	78	47,323	0.16%
Cropland	Alfalfa	0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
		0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
Cropland	Corn	690,254	1.0000	1.0000	1.00000	0.0022	1,519	47,323	3.21%
		529,479	1.0000	1.0000	1.00000	0.0022	1,165	47,323	2.46%
Cropland	Sunflowers	23,877	1.0000	1.0000	1.00000	0.0022	53	47,323	0.11%
		18,315	1.0000	1.0000	1.00000	0.0022	40	47,323	0.08%
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
		0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
Cropland	Sorghum	1,522,321	1.0000	1.0000	1.00000	0.0022	3,349	47,323	7.08%
		1,167,740	1.0000	1.0000	1.00000	0.0022	2,569	47,323	5.43%
Cropland	Hay	0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
		0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
Cropland	Peanuts	167,860	1.0000	1.0000	1.00000	0.0022	369	47,323	0.78%
		128,762	1.0000	1.0000	1.00000	0.0022	283	47,323	0.60%
CRP	Native	274,691	1.0000	1.0000	1.00000	0.0022	604	47,323	1.28%
		4,432,183	1.0000	1.0000	1.00000	0.0022	9,751	47,323	20.61%
CRP	Non-native	2,472,221	1.0000	1.0000	1.00000	0.0022	5,439	47,323	11.49%
		0	1.0000	1.0000	1.00000	0.0022	0	47,323	0.00%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.0022	2,645	47,323	5.59%
		2,736,768	1.0000	1.0000	1.00000	0.0022	6,021	47,323	12.72%
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.0022	6,171	47,323	13.04%
		270,669	1.0000	1.0000	1.00000	0.0022	595	47,323	1.26%
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
		26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
		26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
		26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
		26,012	1.0000	1.0000	1.00000	0.0022	57	47,323	0.12%
Riverine Systems	Riparian canopy - late successional w/o understory	66,559	1.0000	1.0000	1.00000	0.0023	153	47,323	0.32%
		66,559	1.0000	1.0000	1.00000	0.0023	153	47,323	0.32%

Riverine Systems	Wet meadow	164,074	1.0000	1.0000	1.00000	0.0023	377	47,323	0.80%
		164,074	1.0000	1.0000	1.00000	0.0023	377	47,323	0.80%
Riverine Systems	Riparian canopy - late	66,559	1.0000	1.0000	1.00000	0.0023	153	47,323	0.32%
	successional w/ understory	66,559	1.0000	1.0000	1.00000	0.0023	153	47,323	0.32%
Sand Sage	Low grass	636,844	1.0000	1.0000	1.00000	0.0022	1,401	47,323	2.96%
		636,844	1.0000	1.0000	1.00000	0.0022	1,401	47,323	2.96%
Sand Sage	High grass	33,518	1.0000	1.0000	1.00000	0.0022	74	47,323	0.16%
		33,518	1.0000	1.0000	1.00000	0.0022	74	47,323	0.16%
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
		199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
		199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
		199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
		199,040	1.0000	1.0000	1.00000	0.0022	438	47,323	0.93%
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0022	4,104	47,323	8.67%
		728,063	1.0000	1.0000	1.00000	0.0022	1,602	47,323	3.39%
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	1.00000	0.0022	4,104	47,323	8.67%
		728,063	1.0000	1.0000	1.00000	0.0022	1,602	47,323	3.39%
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.0022	4,104	47,323	8.67%
		6,182,881	1.0000	1.0000	1.00000	0.0022	13,602	47,323	28.74%
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	1.0000	1.00000	0.0022	4,104	47,323	8.67%
		728,063	1.0000	1.0000	1.00000	0.0022	1,602	47,323	3.39%
Summary for Breeding (30 records)							Pre-planning Sum	47,323	99.99%
							Post-planning Sum	50,606	106.93%

Species/Guild Name: Western Kingbird

Season: Breeding

Assoc Name	Condition Name	Condition Acres	Avail.	Suit.	Large Block	Units	CC	Goal	% of Goal
Cropland	Sorghum	1,522,321	1.0000	1.0000	1.00000	0.0330	50,237	2,131,319	2.36%
		1,167,740	1.0000	1.0000	1.00000	0.0330	38,535	2,131,319	1.81%
Cropland	Hay	0	1.0000	1.0000	1.00000	0.0549	0	2,131,319	0.00%
		0	1.0000	1.0000	1.00000	0.0549	0	2,131,319	0.00%
Cropland	Sunflowers	23,877	1.0000	1.0000	1.00000	0.0330	788	2,131,319	0.04%
		18,315	1.0000	1.0000	1.00000	0.0330	604	2,131,319	0.03%
Cropland	Soybeans	46,306	1.0000	1.0000	1.00000	0.0330	1,528	2,131,319	0.07%
		35,521	1.0000	1.0000	1.00000	0.0330	1,172	2,131,319	0.05%
Cropland	Alfalfa	0	1.0000	1.0000	1.00000	0.0330	0	2,131,319	0.00%
		0	1.0000	1.0000	1.00000	0.0330	0	2,131,319	0.00%
Cropland	Corn	690,254	1.0000	1.0000	1.00000	0.0330	22,778	2,131,319	1.07%
		529,479	1.0000	1.0000	1.00000	0.0330	17,473	2,131,319	0.82%
Cropland	Fallow	0	1.0000	1.0000	1.00000	0.0330	0	2,131,319	0.00%
		0	1.0000	1.0000	1.00000	0.0330	0	2,131,319	0.00%
Cropland	Wheat	2,962,882	1.0000	1.0000	1.00000	0.0330	97,775	2,131,319	4.59%
		3,435,508	1.0000	1.0000	1.00000	0.0330	113,372	2,131,319	5.32%
Cropland	Pasture	0	1.0000	1.0000	1.00000	0.0549	0	2,131,319	0.00%
		0	1.0000	1.0000	1.00000	0.0549	0	2,131,319	0.00%
CRP	Native	274,691	1.0000	1.0000	1.00000	0.0327	8,982	2,131,319	0.42%
		4,432,183	1.0000	1.0000	1.00000	0.0327	144,932	2,131,319	6.80%
CRP	Non-native	2,472,221	1.0000	1.0000	1.00000	0.0327	80,842	2,131,319	3.79%
		0	1.0000	1.0000	1.00000	0.0327	0	2,131,319	0.00%
Mesquite Savannah	Savannah	1,202,231	1.0000	1.0000	1.00000	0.1091	131,163	2,131,319	6.15%
		2,736,768	1.0000	1.0000	1.00000	0.1091	298,581	2,131,319	14.01%
Mesquite Savannah	Shrubland	2,805,206	1.0000	1.0000	1.00000	0.1091	306,048	2,131,319	14.36%
		270,669	1.0000	1.0000	1.00000	0.1091	29,530	2,131,319	1.39%
Mixed Grass	Few shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%
		26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%
Mixed Grass	Many shrubs/high grass	26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%
		26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%

Mixed Grass	Few shrubs/ low grass	26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%	
		26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%	
Mixed Grass	Many shrubs/low grass	26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%	
		26,012	1.0000	1.0000	1.00000	0.1091	2,838	2,131,319	0.13%	
Riverine Systems	Riparian canopy - late	66,559	1.0000	1.0000	1.00000	0.7600	50,585	2,131,319	2.37%	
	successional w/o understory	66,559	1.0000	1.0000	1.00000	0.7600	50,585	2,131,319	2.37%	
Riverine Systems	Riparian canopy - early	99,869	1.0000	1.0000	1.00000	0.7600	75,900	2,131,319	3.56%	
	successional w/ understory	99,869	1.0000	1.0000	1.00000	0.7600	75,900	2,131,319	3.56%	
Riverine Systems	Native riparian shrubland	89,688	1.0000	1.0000	1.00000	0.7600	68,163	2,131,319	3.20%	
		89,688	1.0000	1.0000	1.00000	0.7600	68,163	2,131,319	3.20%	
Riverine Systems	Riparian canopy - early	99,869	1.0000	1.0000	1.00000	0.7600	75,900	2,131,319	3.56%	
	successional w/o understor	99,869	1.0000	1.0000	1.00000	0.7600	75,900	2,131,319	3.56%	
Riverine Systems	Riparian canopy - late	66,559	1.0000	1.0000	1.00000	0.7600	50,585	2,131,319	2.37%	
	successional w/ understory	66,559	1.0000	1.0000	1.00000	0.7600	50,585	2,131,319	2.37%	
Riverine Systems	Wet meadow	164,074	1.0000	1.0000	1.00000	0.7600	124,696	2,131,319	5.85%	
		164,074	1.0000	1.0000	1.00000	0.7600	124,696	2,131,319	5.85%	
Sand Sage	Low grass	636,844	1.0000	1.0000	1.00000	0.1091	69,480	2,131,319	3.26%	
		636,844	1.0000	1.0000	1.00000	0.1091	69,480	2,131,319	3.26%	
Sand Sage	High grass	33,518	1.0000	1.0000	1.00000	0.1091	3,657	2,131,319	0.17%	
		33,518	1.0000	1.0000	1.00000	0.1091	3,657	2,131,319	0.17%	
Shinnery	Few shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
		199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
Shinnery	Few shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
		199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
Shinnery	Many shrubs/low grass	199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
		199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
Shinnery	Many shrubs/high grass	199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
		199,040	1.0000	1.0000	1.00000	0.1091	21,715	2,131,319	1.02%	
Shortgrass	Few shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.1091	203,500	2,131,319	9.55%	
		6,182,881	1.0000	1.0000	1.00000	0.1091	674,552	2,131,319	31.65%	
Shortgrass	Many shrubs/high grass	1,865,263	1.0000	1.0000	1.00000	0.1091	203,500	2,131,319	9.55%	
		728,063	1.0000	1.0000	1.00000	0.1091	79,432	2,131,319	3.73%	
Shortgrass	Few shrubs/ low grass	1,865,263	1.0000	1.0000	1.00000	0.1091	203,500	2,131,319	9.55%	
		728,063	1.0000	1.0000	1.00000	0.1091	79,432	2,131,319	3.73%	
Shortgrass	Many shrubs/low grass	1,865,263	1.0000	1.0000	1.00000	0.1091	203,500	2,131,319	9.55%	
		728,063	1.0000	1.0000	1.00000	0.1091	79,432	2,131,319	3.73%	
Summary for Breeding (33 records)										
							<i>Pre-planning Sum</i>	2,131,319		99.99%
							<i>Post-planning Sum</i>	2,174,225		102.00%

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
Cropland	Alfalfa	0	0	0
Cropland	Fallow	0	0	0
Cropland	Corn	690,254	529,479	-160,775
Cropland	Hay	0	0	0
Cropland	Other	1,818,971	231,439	-1,587,532
Cropland	Peanuts	167,860	128,762	-39,098
Cropland	Sorghum	1,522,321	1,167,740	-354,581
Cropland	Soybeans	46,306	35,521	-10,785
Cropland	Sod farm	4,341	3,330	-1,011
Cropland	Sunflowers	23,877	18,315	-5,562
Cropland	Pasture	0	0	0
Cropland	Wheat	2,962,882	3,435,508	472,626
CRP	Native	274,691	4,432,183	4,157,492
CRP	Non-native	2,472,221	0	-2,472,221
Juniper	NA	503,240	0	-503,240
Juniper/Mesquite	NA	0	0	0
Mesquite Savannah	Shrubland	2,805,206	270,669	-2,534,537
Mesquite Savannah	Savannah	1,202,231	2,736,768	1,534,537
Mixed Grass	Few shrubs/high grass	26,012	26,012	0
Mixed Grass	Few shrubs/ low grass	26,012	26,012	0
Mixed Grass	Many shrubs/low grass	26,012	26,012	0
Mixed Grass	Many shrubs/high grass	26,012	26,012	0
Other	Other	431,548	431,548	0
Other	4-lane roads	33,196	31,196	-2,000
Other	small roads	678,538	678,538	0
Other	Urban/Suburban	222,810	222,810	0
Other Wetlands	Moist-soil unit	100	28,982	28,882
Other Wetlands	Emergent marsh	0	0	0
Other Wetlands	Saline	20,660	20,662	2
Playa	Dry	259,216	259,218	2
Playa	Wet	69,124	40,257	-28,867
Playa	Wet pit only	17,281	17,294	13
Reservoirs Lakes Ponds	Reservoir	70,574	70,574	0
Reservoirs Lakes Ponds	Freshwater lake	0	0	0
Reservoirs Lakes Ponds	Lagoon	2,312	2,312	0
Reservoirs Lakes Ponds	Stock pond	45,183	45,183	0
Reservoirs Lakes Ponds	Pit	2,312	2,312	0
Riverine Systems	River channel	1,942	1,942	0
Riverine Systems	Exotic riparian shrubland	0	0	0
Riverine Systems	Floodplain marsh	0	0	0
Riverine Systems	Native riparian shrubland	89,688	89,688	0
Riverine Systems	Warmwater slough	0	0	0
Riverine Systems	Unvegetated sandbar	0	0	0
Riverine Systems	Riparian canopy - early	99,869	99,869	0
Riverine Systems	Riparian canopy - late	66,559	66,559	0
Riverine Systems	Riparian canopy - early	99,869	99,869	0
Riverine Systems	Riparian canopy - late	66,559	66,559	0
Riverine Systems	Wet meadow	164,074	164,074	0
Sand Sage	Low grass	636,844	636,844	0
Sand Sage	High grass	33,518	33,518	0
Shinnery	Many shrubs/high grass	199,040	199,040	0

Shinnery	Few shrubs/high grass	199,040	199,040	0
Shinnery	Many shrubs/low grass	199,040	199,040	0
Shinnery	Few shrubs/low grass	199,040	199,040	0
Shortgrass	Many shrubs/high grass	1,865,263	728,063	-1,137,200
Shortgrass	PD town	98,931	192,756	93,825
Shortgrass	Few shrubs/high grass	1,865,263	6,182,881	4,317,618
Shortgrass	Many shrubs/low grass	1,865,263	728,063	-1,137,200
Shortgrass	Few shrubs/ low grass	1,865,263	728,063	-1,137,200
Sum		25,559,556	26,066,368	

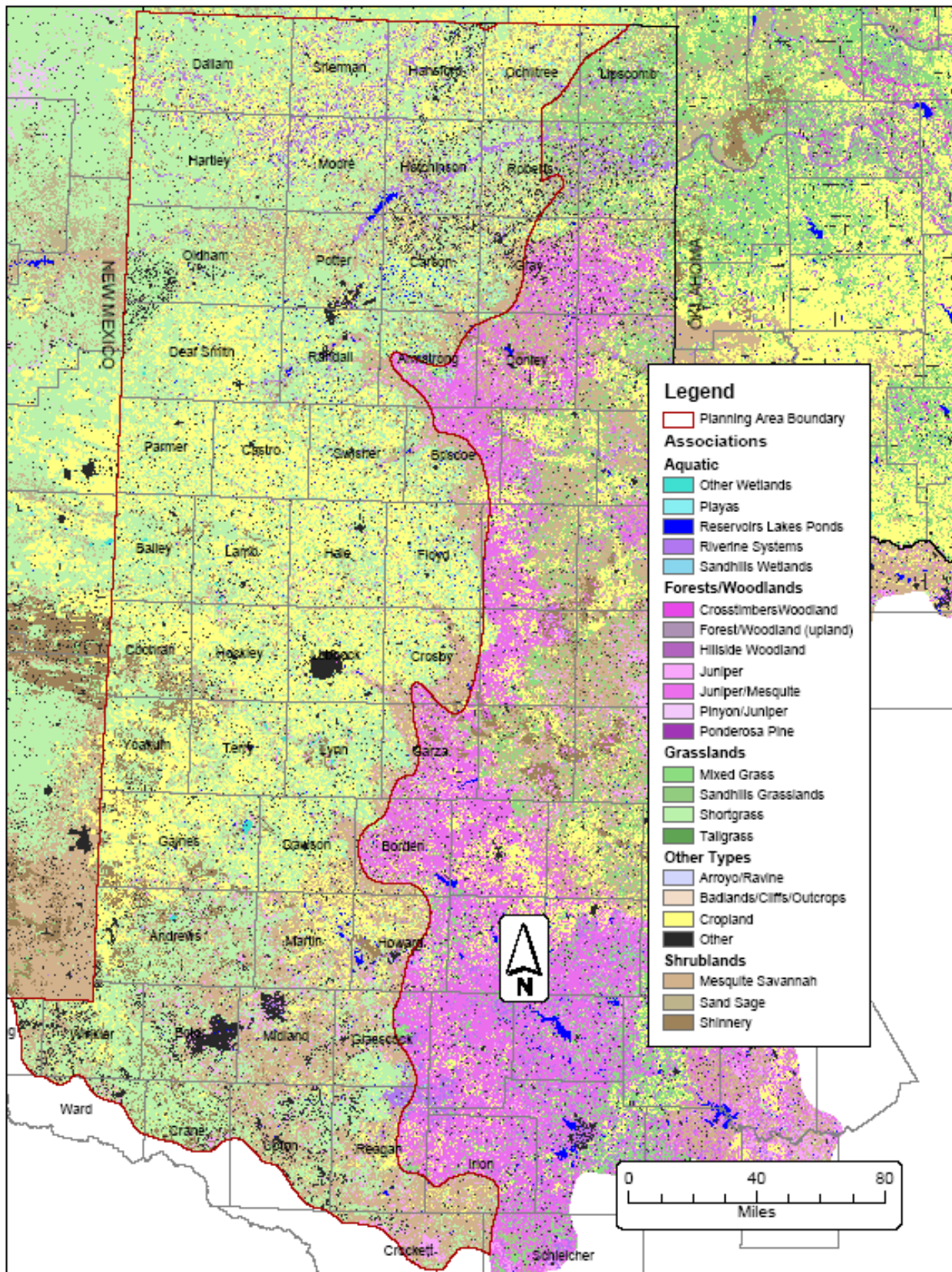


Figure 1. Bird habitat associations for the Shortgrass Prairie Bird Conservation Region of Texas.