

RFP--5057

1994 ANNUAL WILDLIFE SURVEY REPORT

NATURAL RESOURCE PROTECTION AND COMPLIANCE PROGRAM

April 24, 1995

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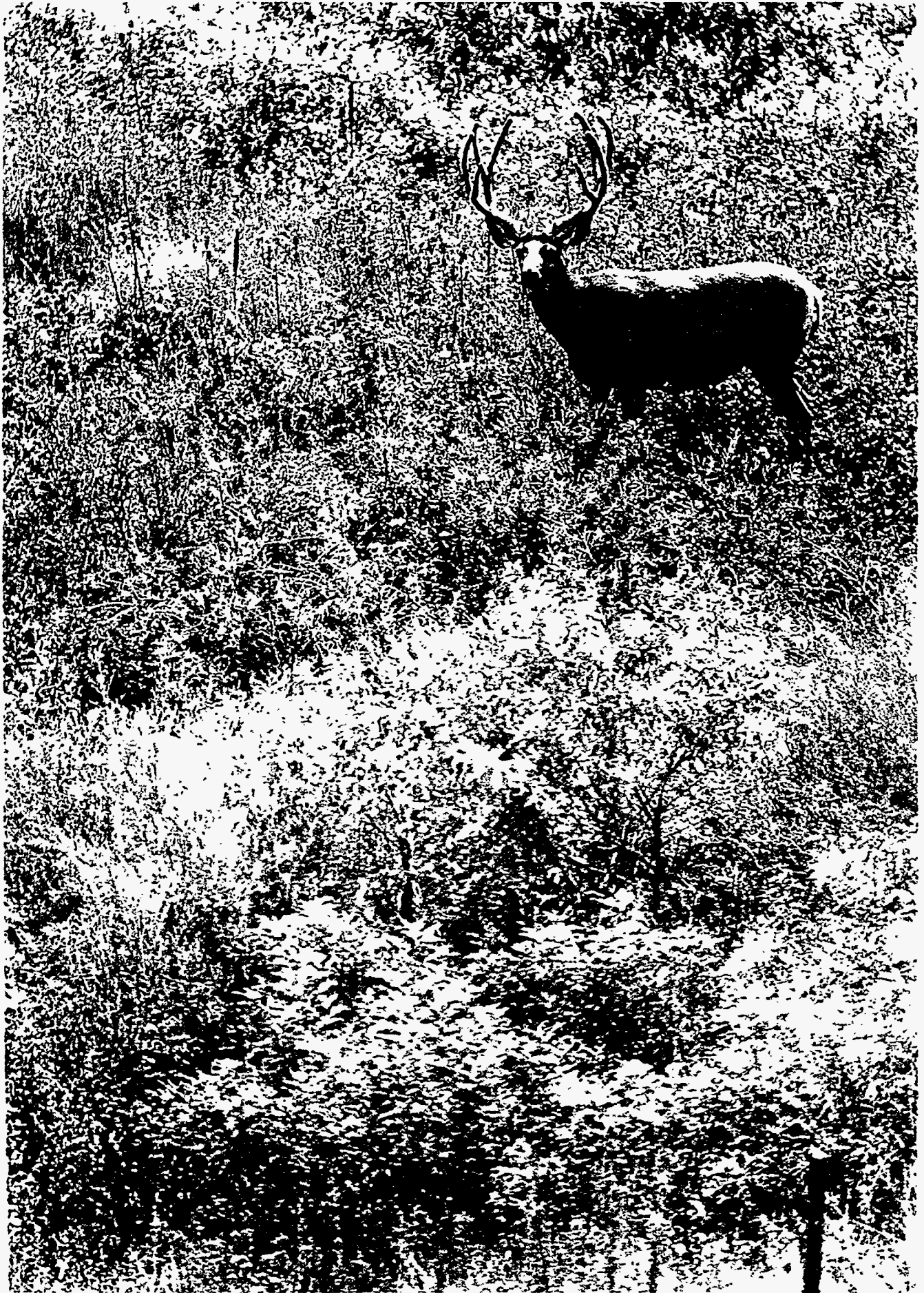
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Rocky Flats Environmental Technology Site
Rocky Flats Office
U.S. Department of Energy
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April 25, 1995

95-RF-03758

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1994 ANNUAL WILDLIFE SURVEY REPORT - PAL-070-95

Three copies of the 1994 Annual Wildlife Survey Report are enclosed. This submittal completes Milestone Number 614045102 in Work Package 61404. This report was prepared by the Ecology and Watershed Management under the Natural Resource Protection and Compliance Program.

The report summarizes results of monitoring and surveys performed from January through December 1994. These surveys and monitoring cover species of special significance due to their status as threatened, endangered, or candidate species on federal lists, protected species (such as migratory birds), indicator species (such as raptors and mammalian predators), and game species. These species are significant due to protected status, or because they are indicator organisms of ecological health.

Figures 1 and 2 of this report will be transmitted when completed. Completion of these figures was preempted by the Transition Team which has first priority for drafting services until further notice.

If you have any questions or comments, please contact me at extension 4244.


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1994 ANNUAL WILDLIFE SURVEY REPORT

NATURAL RESOURCE PROTECTION AND COMPLIANCE PROGRAM

April 24, 1995

Rocky Flats Environmental Technology Site
Rocky Flats Office
U.S. Department of Energy
Golden, Colorado

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REVIEWED FOR CLASSIFICATION/CONTROL

By: K. K. ALLISON *W/ML*

Date: April 24, 1995

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EXECUTIVE SUMMARY

This report summarizes the results of wildlife surveys and other wildlife monitoring performed from January through December 1994. These surveys are part of a long-term ecological monitoring program conducted under the Natural Resource Protection and Compliance Program (NRPCP). This program is essential in identifying and quantifying fluctuations of wildlife populations, wildlife habitat use, and changes in the species using the Rocky Flats Environmental Technology Site (Site) as year-round or seasonal habitat. Wildlife population densities vary constantly due to natural pressures, and only well-integrated, long-term monitoring can identify which factors influencing wildlife populations are a consequence of natural causes, and which are due to human activities. An integrated monitoring program that gathers data on ecologically interactive species is essential in evaluating population fluctuations. Such data can be an invaluable tool in predicting and avoiding impacts on the ecology of an area due to projected human activities.

The wildlife monitoring described in this report provides data that give an indication of the ecological health of the Site. The diverse wildlife population at the Site indicates a healthy environment. Monitoring the numbers, habitat affinities, and apparent health of wildlife populations makes it possible to determine overall trends in the ecological health of the Site. Such monitoring also provides the data necessary to keep the Site in compliance with state and federal wildlife protection statutes.

With 167 species of birds, three big game species, nine species of carnivores, nine species of mid-sized mammals, and 15 small mammal species, the Site provides habitat to a surprising variety of wildlife. Many of these species are sensitive species or indicator organisms that by their presence or, more significantly, by their absence can indicate the ecological health of an area. Their presence at the Site indicates a very healthy ecosystem.

Undisturbed native habitats, such as are found at the Site today, are nearly impossible to discover elsewhere along the Front Range. It is for this reason that rare species such as Bald Eagles, Peregrine Falcons, Ferruginous Hawks, Northern Goshawks, Eastern Short Horned Lizards, Burrowing Owls, Loggerhead Shrikes, Grasshopper Sparrows, Baird's Sparrows, American White Pelicans, Long-billed Curlew, Water Shrews, and Preble's Meadow Jumping Mice can be found on the Site. If such sensitive species should dwindle in numbers or disappear, it would be an indication of a serious environmental health problem. Surveys such as those carried out by the NRPCP can indicate trends of this sort, and act as an "early warning system" for impending ecological problems.

The ecological health of the Site can be preserved only by careful management of these wildlife resources, and by limiting the disturbance of wildlife habitat to the minimum. Installation of more utilities, additional roads, new buildings, recreational

facilities, and other human presence and influences in the Buffer Zone must be carefully weighed against habitat fragmentation, habitat loss, wildlife stress, and natural resource damages. Plans for future recreational uses of the Buffer Zone must incorporate well balanced habitat and wildlife protection strategies.

Human intrusion, even in the form of non-consumptive recreational uses, can greatly disrupt sensitive habitats and the wildlife species dependent on those habitats. The species most sensitive to disturbance include the neotropical migratory birds (a species group of great concern globally) that inhabit the marshlands, tall upland shrublands, bottomland shrublands, and deciduous woodlands of the Site. The wetlands surrounding the unique seep-springs features at the Site also require careful protection and management to ensure that habitats are not degraded by excessive human pressure. Unrestricted recreational use of the Buffer Zone can rapidly degrade the excellent ecological value that has been recovered and enhanced through two decades of protection.

The NRPCP's surveys and other monitoring performed by NRPCP contribute significantly to the growing body of data on wildlife species presence, diversity, and habitat use at the Site. This monitoring provides data on species of special interest (i.e., game species, high visibility species such as threatened and endangered species, state species of concern, and indicator species) and migratory birds that may be analyzed and compared to previously collected data. Year-to-year comparisons allow the tracking and evaluation of wildlife population and use trends at the Site.

Analyses of 1994 data indicate continuing excellent ecological health of Site. Even in areas designated as contaminated, wildlife species do not evidence ecological stress as manifested by poor viability, reduced numbers of surviving offspring, unusual vulnerability to disease, or lowered population levels. The wildlife population at the Site is vital, viable, and includes rare, unusual, and endangered species. Summaries of the monitoring results are presented below.

The dominant big game species is the Mule Deer, though White-tailed Deer and Elk also visit the Site on a casual basis. A minimum of 163 Mule Deer inhabited the Site during 1994. The large number of deer present in the Buffer Zone (slightly in excess of 15 deer/mi²) is due both to excellent health of the habitat, and the protection afforded them by the prohibition of hunting within Site boundaries.

The Rocky Flats prairie dog population plummeted due to disease during 1994. While the populations are expected to rebound naturally, this drop in prey species may have a short-term effect on both avian and mammalian predator populations. With the decline in prairie dog populations in the surrounding area, there was an accompanying decline in the apparent number of over-wintering raptors. When the prey population rebounds, the raptor use is anticipated to rebound as well.

Muskrats, Fox Squirrels, Porcupines, and Beaver continue to occupy the Site in appropriate habitat, though not in large numbers. Lagomorph species vary from abundant to scarce. Desert Cottontails are the dominant lagomorph species, with small numbers of Eastern Cottontails, White-tailed Jackrabbits, and Black-tailed Jackrabbits observed occasionally.

The diversity of carnivores present at the Site is a reflection of the large number of habitats and ecological niches available at the Site. It is possible that the large population of Coyotes (approximately 15), and the pack dynamics, keeps the numbers of other smaller carnivore species in check due to competition and territorialism.

Five bird species were recorded at the Site for the first time in 1994. With a long-term monitoring program, less common species will continue to be added to the species tally. Potential habitat exists at the Site for many additional species. Migratory bird species are an important group to observe when monitoring for ecological impacts. This group as a whole is very sensitive to physical disturbance as well as to chemicals, pesticides, and loss of habitat. Declines in species diversity and density of individuals is one of the first indicators of environmental stress. With continued observation of bird species at the Site, new nesting records are routinely added to the databases. At the completion of the 1994 field season, the list of confirmed breeding passerine (song bird) species included 34 species, and the list of suspected breeding species included another 21 species (a total of 55 species).

The presence of 22 waterfowl, 16 wading bird, and two gull species commonly observed at the Site are an indication of the good water quality and abundant food organisms available in aquatic and wetland habitats. The majority of the organisms (plant and animal) that make up the bulk of the food items used by waterfowl and wading birds are themselves indicator organisms for ecological health. If the health of the aquatic ecosystem were poor, the food organisms would be scarce. This scarcity would be manifested in low species diversity and numbers of individuals of waterbirds using these habitats. The waterfowl broods observed during the breeding season confirmed that at least eight species find adequate breeding habitat at the Site.

Raptors, the top avian predators of the food chain, are an indicator of the ecological health of an area. Raptors must have a large, healthy population of prey species upon which to subsist. Reduced numbers of prey species are reflected in reduced numbers of raptors. With 19 species of raptors regularly visiting the Site, and four species confirmed breeding at the Site, it is clear that nesting habitat is available and prey species are abundant.

1.0 INTRODUCTION

The Natural Resource Protection and Compliance Program (NRPCP) monitors the status of several wildlife groups to ensure that operations at Rocky Flats Environmental Technology Site (Site) remain in compliance with state and federal wildlife protection statutes. The regulatory drivers for NRPCP wildlife work include:

- The Bald and Golden Eagle Protection Act,
- The Endangered Species Act,
- The Fish and Wildlife Coordination Act,
- The Migratory Bird Treaty Act,
- The Clean Water Act,
- And The Colorado Non-Game, Threatened, and Endangered Species Conservation Act.

The NRPCP conducts routine surveys to monitor the health of wildlife populations such as migratory birds, game species, high visibility species, indicator organisms, and species afforded special protection by federal and state statutes (significant species). This on-going monitoring program tracks population trends, habitat use, and species diversity from year to year and is an important environmental management tool for DOE, RFFO, and for its contractors. Data from these surveys, which are archived in two databases, have been used in preparation of Environmental Evaluations, Remediation Plans, Environmental Assessments, Environmental Impact Statements, and Categorical Exclusions. Data held in the NRPCP databases have been integrated into the Site-wide Ecological Database (SED) which will interface with the Rocky Flats Environmental Database System (RFEDS). Routine monitoring provides data on habitat affinities of sensitive species that can be used to predict the presence or absence of such species within planned work areas. These data are a valuable planning tool that can help avoid conflicts between scheduling and protective regulations. Continued monitoring of wildlife populations at the Site will provide valuable background data for Natural Resource Damage Assessment concerns in the future.

The NRPCP wildlife monitoring program also supports the identification and protection of threatened and endangered species, and addresses migratory bird protection concerns at the Site. Performance of the NRPCP Site-specific surveys for such activities as construction, mowing, assessment, remediation, and other activities have kept Site activities in compliance with the Bald and Golden Eagle Protection Act, the Endangered Species Act, the Fish and Wildlife Coordination Act, and the Migratory Bird Treaty Act, the Clean Water Act, and the Colorado Non-Game, Threatened, and Endangered Species Conservation Act.

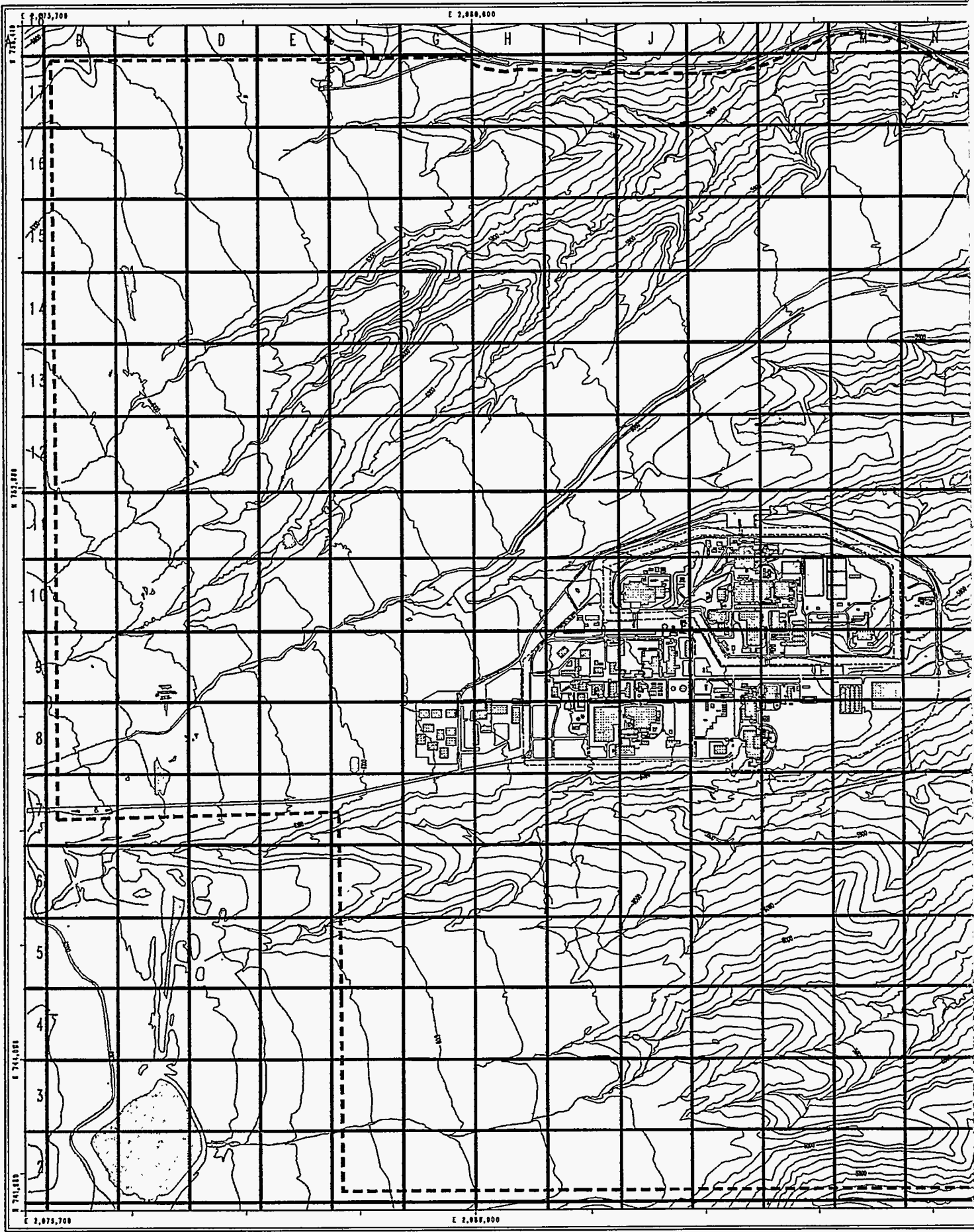
A long-term ecological monitoring program such as the NRPCP wildlife monitoring program is essential in identifying and quantifying fluctuations of wildlife populations,

wildlife habitat use, and changes in the species using the Site as year-round or seasonal habitat. Wildlife population densities vary constantly due to natural pressures, and only long-term monitoring can identify which factors influencing wildlife populations are the consequence of natural fluctuations, and which are due to human influences. The NRPCP has the flexibility to add special surveys as needed for specific new projects, and existing data in the databases may be queried in combination with data from such new surveys to answer specific ecological concerns. Availability of accurate, up-to-date ecological data is essential before long-term cleanup plans that include strategies to avoid or minimize ecological damage can be designed.

NRPCP data on all significant species are archived in the Significant Species Database maintained by the Ecology and Watershed Management Branch (EWM). Figure 1 presents a Site map with the Significant Species Database data entry location grid superimposed. The locations of observations are entered into the database using an alphanumeric code(e.g., 11H). The Significant Species Database provides an active database that may be queried for species habitat affinity, location, seasonal use, species numbers, relative abundance, unusual species, sightings of threatened, endangered, or special-concern species, or any combination of such data. In addition to the significant species data, the NRPCP Migratory Bird Database, also maintained by EWM, provides a library of migratory bird presence, species diversity, and habitat affinity data that is collected during the migratory bird surveys.

Protection procedures and plans, developed and implemented by NRPCP, aid ecologists in assessing potential impacts on threatened, endangered, and special-concern species, as well as migratory birds, all of which enjoy special protected status. Surveys performed in compliance with these procedures ensure that wildlife is protected, and that state and federal wildlife and habitat protection statutes are not violated during Site activities.

This report summarizes the results of surveys performed from January through December of 1994. Many survey techniques are used to determine populations and habitat use of wildlife species at the Site. The methods are outlined in the following section, and summaries of survey results are presented in subsequent sections for each major animal group monitored.



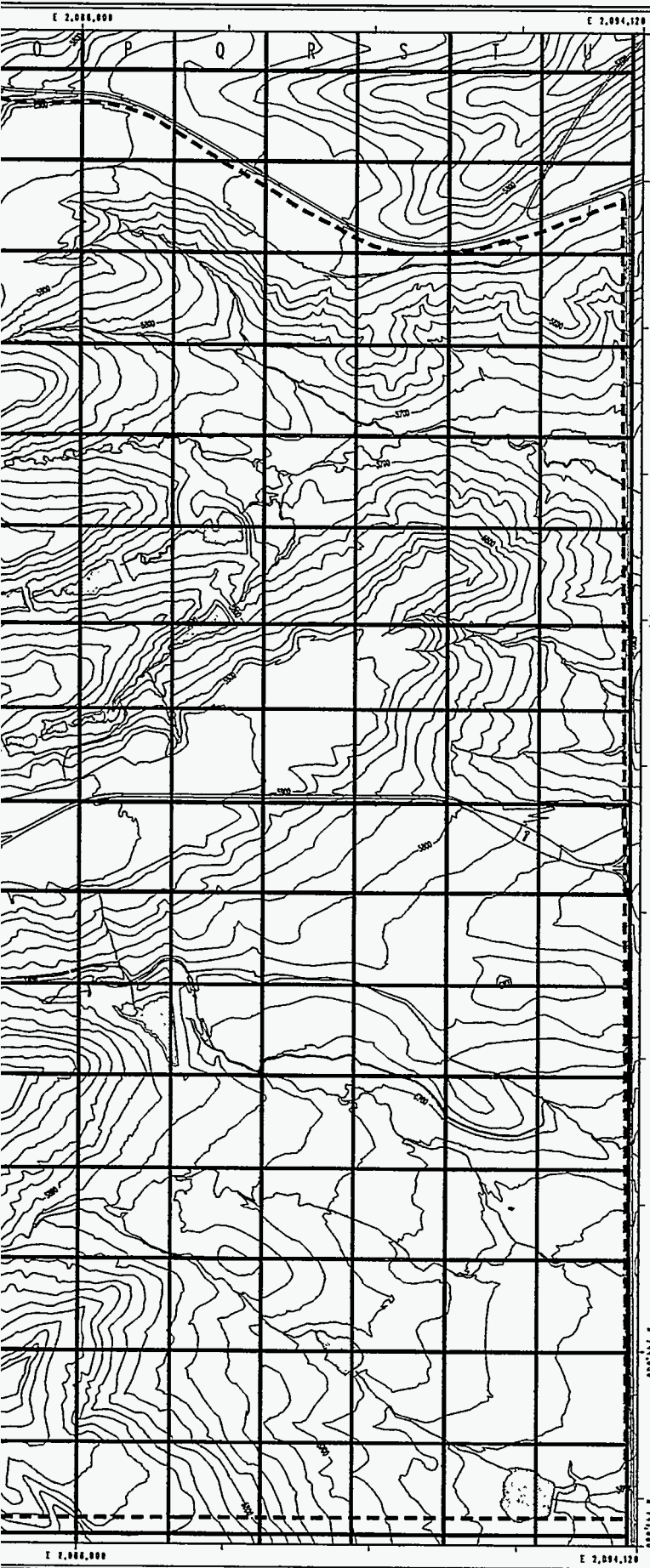










Figure 1
**Grid Map of
 Rocky Flats Environmental
 Technology Site used for Location
 Data Entry into Significant
 Species Database**

EXPLANATION


-  1000 foot grid
- Standard Map Features**
-  Buildings or other structures
-  Lakes and ponds
-  Streams, ditches, or other drainage features
-  Fences
-  Contours (20' intervals)
-  Rocky Flats boundary
-  Paved road

DATA SOURCE:
 Boundaries, roads, and terrain provided by
 Phillips Spill,
 EG&G Rocky Flats, Inc. - 1987.
 Hydrology provided by
 USGS - 1988 (revised)

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Scale = 1 : 21530
 1 inch represents approximately 1777.5 feet



State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD27

**U.S. Department of Energy
 Rocky Flats Environmental Technology Site**

Prepared by:

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grid0001	GIS Analyst	Wendell Cheek/ER/UM	04/27/95
grid0001	Checked		
	Approved	Marla Murdoch/EWM	
DATE CREATED			
April 27, 1995			

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2.0 METHODS

Methods used to monitor the presence, habitat use, seasonal residence, species densities, breeding areas, and other pertinent wildlife data encompass several techniques. Relative abundance surveys, performed on established transects, record all significant species and migratory (passerine) bird species. Significant species are species of special interest due to their status as game species, high visibility species, indicator organisms, or federal and state protected species. Significant species groups include waterfowl, big game, game birds, carnivores, raptors, small game, furbearers, and selected other species. Site-wide surveys along established roads record all significant species. Site-specific surveys record the presence or absence of any special-concern species. Migratory bird surveys record bird species along established transects. In addition to these formalized surveys, fortuitous sightings of any significant species are recorded whenever they occur.

2.1 Relative Abundance Surveys

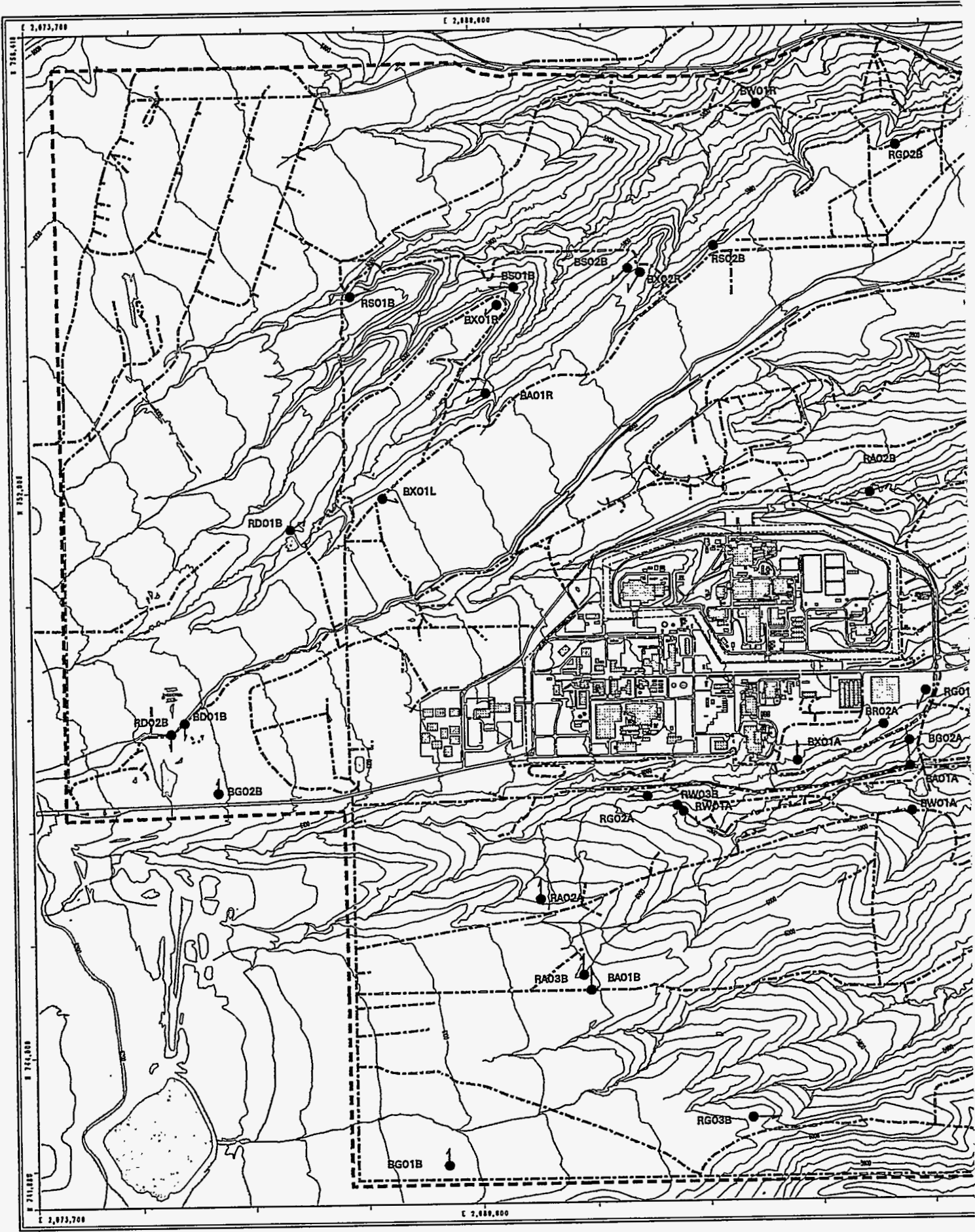
Monthly relative abundance surveys are performed on 17 established survey routes. This allows continued data collection on sites included in the NRPCP databases. Transect routes are of variable length (generally at least a mile) in all major habitat types at the Site. Figure 2 presents the locations of the starting points of relative abundance transect routes.

Relative abundance surveys are performed in accordance with procedures laid out in the EMD Operating Procedures Manual Volume V: Ecology; procedures 4-27-ENV-ECOL.05 Small Mammals and 4-E56-ENV-ECOL.06 Large Mammals (EG&G 1994). Surveys are performed by a qualified ecologist who walks established transects in specific habitats, and records data for all animal species observed during the survey. Relative abundance surveys are designed to collect data on species abundance and use of habitats. Data are recorded as habitat use per time, providing an estimate of what habitats are used, by which species, how often, and for what purposes.

2.2 Site-wide Significant Species Surveys

2.2.1 Diurnal (Daytime) Surveys

Site-wide significant species diurnal surveys are conducted along all main roads in the Buffer Zone at the Site, and also along selected public roads in the extended observation area. During these surveys all visible individuals of significant species, observed during a short time span over the entire Site, are recorded. Data from these surveys are entered into the Significant Species Database, and may be queried for specific information.



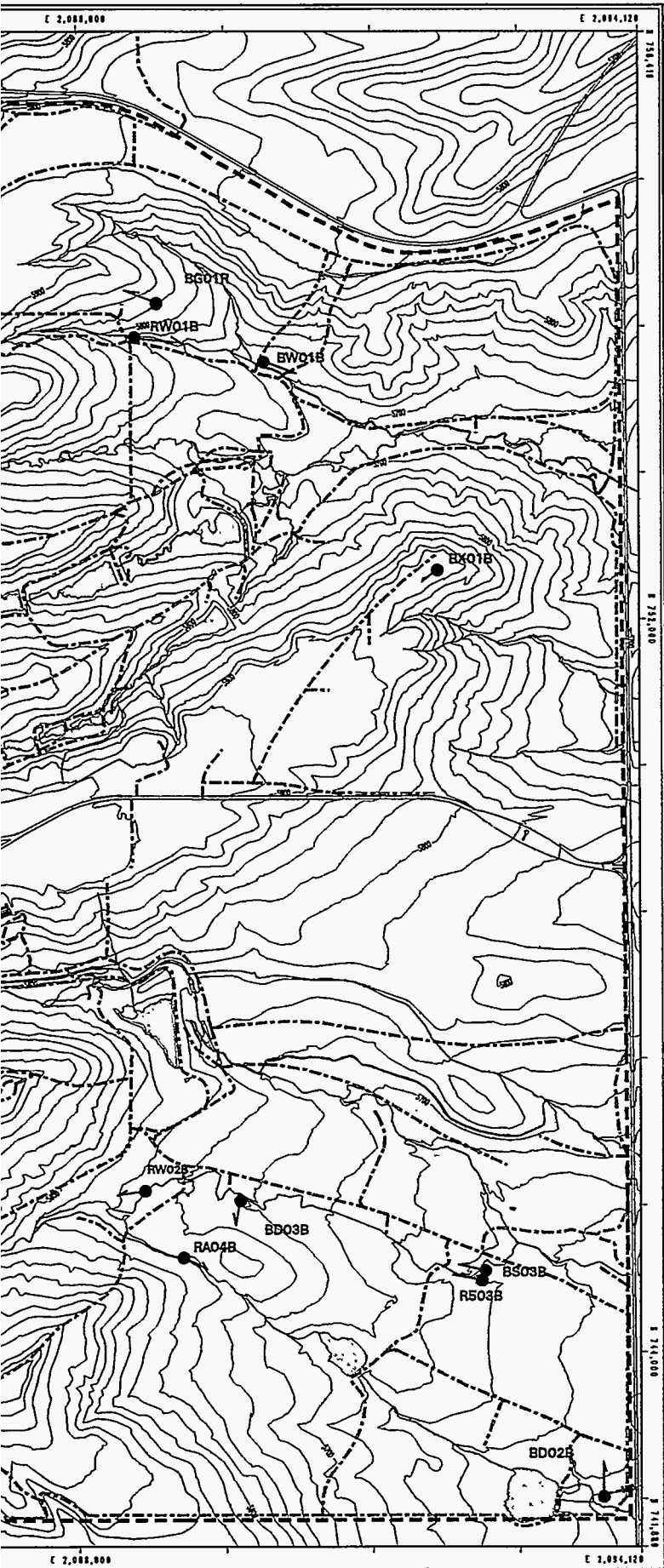












Figure 2
Locations of Relative
Abundance and Bird
Survey Route Start Points

EXPLANATION

-  Relative Abundance Transect
-  Bird Transect


Standard Map Features

-  Buildings or other structures
-  Lakes and ponds
-  Streams, ditches, or other drainage features
-  Fences
-  Contours (20' Intervals)
-  Rocky Flats boundary
-  Paved roads
-  Dirt roads

DATA SOURCE:
 Relative Abundance Transect and Bird Transect provided by
 Alaska Scientist of EPA/600 - April 1996.
 Buildings, roads, and fences provided by
 Pacific Slope.
 Rocky Flats Site, Inc. - 1981.
 Hydrology provided by
 CSM - data unknown.

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Scale = 1 : 21320
 1 inch represents approximately 1777.5 feet

 State Plane Coordinate Projection
 Colorado Central Zone
 Datum: NAD27

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Prepared by:


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bird0001	GIS Analyst	Wendell Cheeka/ER/DM	04/27/95
MAP ID	Checked		
bird0001	Approved	Marole Murdock/EWM	
DATE CREATED	April 27, 1995		

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2.2.2 Nocturnal (Nighttime) Spotlight Surveys

Site-wide significant species nocturnal surveys are spotlight surveys conducted on the major roads in the Buffer Zone. These roads are driven by a team, or teams, of observers during the hours between dusk and midnight. This survey method provides coverage over the entire Buffer Zone in areas that can be reached with the beams of hand-held spotlights. The purpose of these nocturnal surveys is to help document the presence and numbers of nocturnal species that are rarely observed during daylight hours. Data from these surveys are entered into the Significant Species Database, and may be queried for specific information.

2.3 Site-Specific Special-Concern Species Surveys

Special-concern species are a particular class of wildlife and plants that are of special interest due to protected status. These species include plant and animal species that are federally listed as threatened or endangered, species that have been proposed for listing as threatened or endangered, species listed as candidates for listing and, migratory birds. All State of Colorado threatened, endangered, or species of special concern also fall into this category. Federally listed species are included on the state list, however, the state list may be more inclusive than the federal list. Site-specific surveys for special-concern species are performed in accordance with Ecology Procedure 1-D06-EPR-END.03 Identification and Protection of Threatened, Endangered, and Special-Concern Species (EG&G 1994a). Site-specific migratory bird surveys are performed in accordance with Ecology Procedure 1-G98-EPR-END.04 Migratory Bird Evaluation and Protection (EG&G 1994b). Locations for site-specific surveys are determined by the work plans for construction, assessment, and remediation projects. Data from these surveys are entered into the Significant Species Database, and may be queried for specific information.

2.4 Migratory Bird Surveys

The 22 bird survey transects at the Site are permanently established survey routes, through all major habitats, used to record bird breeding activity and seasonal population data. Surveys are performed by a qualified ecologist who walks the established transects and records observational data for all bird species during each survey. Migratory bird surveys are designed to collect habitat use and population data. Breeding bird surveys are performed at regular intervals during the late spring/early summer breeding season. Monthly population surveys are performed during the remainder of the year. Migratory bird surveys are performed in accordance with the EMD Operating Procedures Manual Volume V: Ecology 4-K26-ENV-ECOL.07 Bird Sampling (EG&G 1994). Figure 1 presents the locations of the starting points of established bird transect routes.

3.0 RESULTS AND DISCUSSION

3.1 Special-Concern Species

Special concern species are species listed by the U. S. Fish and Wildlife Service (USFWS) as "threatened" or "endangered" under the Endangered Species Act; species published by the USFWS in the Federal Register as "proposed" or "candidate" species; and species listed by the State of Colorado as "Species of Special Concern". While the majority of these species with potential to occur at the Site are animal species, a few plant species are also included. NRPCP site-specific surveys are performed for both plant and animal species and their potential habitats.

The current list of special concern species (effective March 15, 1995) with potential to occur at the Site is presented in Table 1. Monitoring performed during 1994 recorded special concern species as listed the 1994 list. Changes include the addition of the Eastern Short Horned Lizard (*Phrynosoma douglassii brevirostra*), the Western Burrowing Owl (*Athene cunicularia hypugea*), and the Northern Goshawk (*Accipiter gentilis*). All three of these species have been recorded at the Site, though the listed subspecies have not been verified. The Loggerhead Shrike (*Lanius ludovicianus*) and the Long-billed Curlew (*Numenius americanus*), have been removed from the federal list, but remain Colorado State Species of Special Concern.

All the above listed species have been recorded at the Site, along with Bald Eagles, (*Haliaeetus leucocephalus*) Peregrine Falcons (*Falco peregrinus*), Ferruginous Hawks (*Buteo regalis*), and Greater Sandhill Crane (*Grus canadensis tibida*). Table 2 presents a summary of observations of all 1994 special concern species. A complete data listing for all observations is presented in Appendix A.

3.2 Mammals

3.2.1 Big Game

The dominant big game species at the Site are Mule Deer (*Odocoileus hemionus*). Elk (*Cervus elephus*) and White-tailed Deer (*Odocoileus virginianus*) visit the Site on a casual basis, however, neither species is considered a permanent resident. Elk were recorded on the Site in 1994, and a White-tailed/Mule Deer hybrid first recorded in 1993 was observed several times during 1994.

Population trends of big game animals are an indicator of the ecological health of an area: the healthier the natural environment, the more diverse the composition of species, and the greater the number of individuals of each species. The big game animals in an ecosystem must have diverse and healthy habitats in which to live and reproduce. Degraded habitat is directly reflected in the low numbers and poor health of big game animals. Monitoring the numbers and apparent health of big game

Table 1. SENSITIVE SPECIES WITH POTENTIAL TO OCCUR AT ROCKY FLATS

(Effective April 17, 1995)

Page 1 of 3

FEDERAL ENDANGERED SPECIES

BIRDS

- ♣ American Peregrine Falcon (*Falco peregrinus*)¹
- ♣ Bald Eagle (*Haliaeetus leucocephalus*)^{4,8}
- ♣ Whooping Crane (*Grus americana*)²
- ♣ Least Tern (*Sterna antillarum*)²
- ♣ Piping Plover (*Charadrius melodus*)²

MAMMALS

- ♣ Black-footed Ferret (*Mustela nigripes*)³

FEDERAL THREATENED SPECIES

PLANTS

- ♣ Ute Ladies'-tresses (*Spiranthes diluvialis*)

INSECTS

- ♣ Pawnee Montane Skipper (*Hesperia leonardus montana*)

FEDERAL CANDIDATE SPECIES

PLANTS

- ♣ Colorado Butterfly Plant (*Gaura neomexicana* var. *coloradensis*) (C-1)
- ♣ Bell's Twinpod (*Physaria bellii*) (C-2)

INSECTS

- ♣ Regal Fritillary (*Speyeria idalia*) (C-2)

FISH

- ♣ Plains Topminnow (*Fundulus sciadicus*) (C-2)

HERPTILES

- ♣ Eastern Short Horned Lizard (*Phrynosoma douglassii brevirostra*)⁴ (C-2)

BIRDS

- ♣ Northern Goshawk (*Accipiter gentilis*)⁵ (C-2)
- ♣ Baird's Sparrow (*Ammodramus bairdii*)⁴ (C-2)
- ♣ Western Burrowing Owl (*Athene cunicularia hypugea*)⁵ (C-2)
- ♣ Ferruginous Hawk (*Buteo regalis*)⁴ (C-2)
- ♣ Western Snowy Plover (*Charadrius alexandrinus nivosus*) (C-3C)
- ♣ Mountain Plover (*Charadrius montanus*) (C-1)

BIRDS (Cont.)

- Black Tern (*Chlidonias niger*) (C-2)
- Southwestern Willow Flycatcher (*Empidonax traillii extimus*) (C-1)
- ♣ Loggerhead Shrike (*Lanius ludovicianus*)^{4,6} (C-2)
- White-faced Ibis (*Plegadis chihi*) (C-2)

MAMMALS

- Spotted Bat (*Euderma maculatum*) (C-2)
- Small-footed Myotis (*Myotis ciliobarum*) (C-2)
- Long-eared Myotis (*Myotis evotis*) (C-2)
- Fringed Bat (*Myotis thysanodes*) (C-2)
- Long-legged Myotis (*Myotis volans*) (C-2)
- Pale Townsend's Big-eared Bat (*Plecotus townsendii pallescens*) (C-2)
- Plains Spotted Skunk (*Spilogale putorius interrupta*) (C-2)
- Swift Fox (*Vulpes velox*)⁷ (C-2)
- ♣ Preble's Meadow Jumping Mouse (*Zapus hudsonius preblei*)^{4,7} (C-2/P)

COLORADO SPECIES OF SPECIAL CONCERN

PLANTS

- Forktip Threewain (*Aristida basiramea*)⁴
- Sedge (*Carex oreocharis*)⁴
- Gay-feather (*Liatris ligulistylus*)
- Toothcup (*Rotala ramosior*)
- Black Spleenwort (*Asplenium adiantum-nigrum* = *A. andrewsii*) (C-3B)
- Tulip Gentian (*Eustoma grandiflora*)
- Yellow Stargrass (*Hypoxis hirsuta*)
- Adder's Mouth Orchid (*Malaxis brachypoda*)

FISH

- Common Shiner (*Notropis cornutus*)
- Stonecat (*Noturus flavus*)

BIRDS

- Barrow's Goldeneye (*Bucephala islandica*)
- ♣ Long-billed Curlew (*Numenius americanus*)
- ♣ Plains Sharp-tailed Grouse (*Tympanuchus phasianellus jamesi*)
- ♣ Greater Sandhill Crane (*Grus canadensis tibida*)
- ♣ American White Pelican (*Pelecanus erythrorhynchos*)⁵

- 1) The species *Falco peregrinus* is listed as endangered wherever found in the coterminous 48 states. Some subspecies are listed separately.

- 2) These species have historically used areas in the vicinity, and suitable feeding or residential habitat exists at Rocky Flats.
 - 3) This species was previously collected near Rocky Flats.
 - 4) This species is resident or regularly visits Rocky Flats.
 - 5) The species has been observed infrequently on Rocky Flats.
 - 6) This species has been removed from the nation-wide list of Category 2 species by the U. S. Fish and Wildlife Service (USFWS), however, it remains a species of concern in Region 6 and is still considered by that Region as a Category 2 species. Because Rocky Flats is within Region 6, this species shall be treated as a Category 2 species until further notice.
 - 7) A petition to list this species is currently under review by the USFWS. The 90-Day Finding found this petition to have merit, and the USFWS will pursue listing of the species.
 - 8) The USFWS is in the process of down-listing the Bald Eagle to threatened status.
- C-1 USFWS has enough data on file to indicate potential need for listing as threatened or endangered.
- C-2 USFWS has enough data on file to indicate the potential need for listing as threatened or endangered.
- C-3B These taxa are not recognized as distinct species by USFWS, but may be reevaluated in the future.
- C-3C These taxa have been proven more abundant than previously believed. USFWS may reevaluate them in the future.
- P These taxa are proposed by the USFWS for listing as threatened or endangered.

TABLE 2. SPECIAL CONCERN SPECIES * OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABIT)

DATE	TIME	SPECIES	SPEC CODE	ADRN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
02/01/94	1500	LOGGERHEAD SHRIKE	LALU1	BZ	RW01A			7	L	1		2	DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																					
04/29/94	1330	LOGGERHEAD SHRIKE	LALU1	BZ	RW03B	OU5		7	I	1		2	DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
08/15/94	735	LOGGERHEAD SHRIKE	LALU1	BZ	RG01A			7	F	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
08/19/94	840	LOGGERHEAD SHRIKE	LALU1	BZ	BW01R			17	K	5		2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																					
06/13/94	1520	LOGGERHEAD SHRIKE	LALU1	BZ				11	E	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1				1
06/21/94	1130	LOGGERHEAD SHRIKE	LALU1	BZ				11	E	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
11/28/94	1206	LOGGERHEAD SHRIKE	LALU1	BZ				11	E	0		2	PONDEROSA WOODLAND	120			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
04/29/94	1410	LOGGERHEAD SHRIKE	LALU1	BZ	RA02A			6	I	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
07/20/94	1050	LOGGERHEAD SHRIKE	LALU1	BZ	R W POND	OU11		8	F	0		2	ROADSIDE/FENCEROW	540	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																					
11/28/94	750	BALD EAGLE	HALE1	BZ				10	O	1		2	MESIC MIXED GRASSLAND	322			1				1
11/23/94	1525	BALD EAGLE	HALE1	BZ		OU6		11	N	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
12/09/94	1435	BALD EAGLE	HALE1	BZ		OU6		11	N	1		2	MESIC MIXED GRASSLAND	322			1				1
12/05/94	814	BALD EAGLE	HALE1	BZ				15	J	1		2	MESIC MIXED GRASSLAND	322			1				1
12/14/94	710	BALD EAGLE	HALE1	BZ	BG01R			15	O	1		2	MESIC MIXED GRASSLAND	322			1				1
12/20/94	1421	BALD EAGLE	HALE1	BZ	RA04B			2	T	1		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																					
10/10/94	1610	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
10/13/94	750	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
10/13/94	750	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	1				1
11/16/94	825	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
12/07/94	1210	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	2				2
12/07/94	957	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
12/07/94	1215	BALD EAGLE	HALE1	EA						1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
12/14/94	1443	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
12/14/94	1456	BALD EAGLE	HALE1	EA						5	0	2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																					
10/27/94	1515	BALD EAGLE	HALE1	EA						1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
12/05/94	1625	BALD EAGLE	HALE1	EA						1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																					
05/02/94	950	BURROWING OWL	ATCU1	BZ	RG03B			2	M	1		2	MESIC MIXED GRASSLAND	322			1				1
05/05/94	1015	BURROWING OWL	ATCU1	BZ				1	S	0		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																					

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 2. SPECIAL CONCERN SPECIES * OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABIT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
05/20/94	804	AMERICAN WHITE PELICAN	PEER1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			2	1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	2					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	2					
05/04/94	935	AMERICAN WHITE PELICAN	PEER1	EA			INDIANA/96TH			1		2	MESIC MIXED GRASSLAND	322			8				8	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	8					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	8					
04/29/94	1325	LONG-BILLED CURLEW	NUAM1	BZ	RA01B			11	F	1		2	SHORT MARSH	20			6				6	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	6					
12/20/94	832	LONG-BILLED CURLEW	NUAM1	BZ	RG02B			16	O	1		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																	1					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	7					

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs Area

* Special Concern Species Include
Federal threatened, endangered, and candidate species, and State Species of Special Concern

populations is one means of tracking overall trends in the ecological health of the Site. Coupled with data on other species, big game data provide important information for the overall analysis of ecological trends at the Site.

The combined data from all methods of observation indicate that mesic mixed grassland hillsides are one of the most important habitats for Mule Deer. Table 3 presents a summary of habitat acreage percentages versus percentages of total observations of Mule Deer.

A total of 2,061 individual Mule Deer observations, or 68 percent of individual observations, were recorded in mesic mixed grasslands. Approximately 54 percent of the acreage at the Site is covered by mesic mixed grassland (DOE 1991). South-facing mesic hillsides are used extensively as feeding areas during the late fall, winter, and spring. These hillsides remain snow-free during the major portion of the winter, and are the first to green up in the spring. Southeast-facing slopes below sharp escarpment areas are frequently used as bedding areas on days when the winter winds blow strongly from the northwest. These areas and the tall upland shrublands of upper Rock Creek provide the most heavily used wind-break sites during the winter months. Windbreaks are important features for wildlife, especially during the winter. Windbreaks reduce heat loss due to windchill, directly benefitting wildlife through lowered energy demands. In times of low forage quality, such as the cold winter season, a lowered energy demand may result in survival versus death of a stressed individual.

Shrublands, particularly tall upland shrubland, are critical areas for Mule Deer fawning. The most heavily used fawning area is the tall upland shrub habitat of upper Rock Creek, followed by the bottomland shrublands and deciduous woodlands of Woman Creek. Upper Rock Creek is also an important nursery area until the fawns have become more independent. During the spring 1994 fawning season 79 percent of the deer observed in tall upland shrubland were does and fawns. Seventy percent of the deer observed in tall upland shrubland during the summer were does and fawns. Tall marsh (cattail) is also a frequently used, though less important, fawning habitat.

Tall upland shrublands and bottomland shrublands comprise approximately 1.2 percent of the acreage at the Site (DOE 1991), but 14 percent of all Mule Deer observations are made in these habitats. These habitats are heavily used for shade cover during the hot season. Large numbers of bedded Mule Deer may be observed deep within the shrub thickets during the hottest part of the year. The most favored bedding areas at this time are in the upper Rock Creek tributaries. Tall marshland is also a frequently used hot-weather bedding habitat.

Xeric mixed grassland, which is found on the flat uplands at the Site is most important to the Mule Deer during the breeding season (the rut), second only to mesic mixed grasslands. During the rut, large groups of Mule Deer gather in xeric and mesic mixed

TABLE 3. PERCENT OF TOTAL HABITAT ACREAGE VS PERCENT OF BIG GAME OBSERVATIONS IN EACH HABITAT DURING 1994

Habitat/Community Type *	Percentage of Total Acreage	Percent of Deer Observations in Habitat
Wetlands	3.4	5.0
Deciduous Woodlands	0.5	4.0
Ponderosa Woodlands	0.2	0.4
Tree Plantings	>1	0.3
Bottomland Shrublands	0.8	3.6
Short Upland Shrublands	0.4	>0.1
Tall Upland Shrublands	0.4	10.1
Mesic Mixed Grasslands	54.3	68.5
Xeric Mixed Grasslands	17.9	5.9
Rehabilitation Mixed Grasslands	8.6	1.5
Disturbed Lands	12	0.7
Short Grassland	1.5	0.0

* From Baseline Biological Characterization of the Terrestrial and Aquatic Habitats at Rocky Flats Plant, DOE 1991

grasslands, and much of the breeding activity is observed in these habitats. Xeric mixed grassland habitat is used during all parts of the year, especially as feeding areas during certain parts of the winter.

Little data is available on preferred Elk and White-tailed Deer habitat at the Site, but the limited observations of White-tailed Deer indicate their preference for riparian deciduous woodland and bottomland shrub habitats. Three Elk beds were discovered after a heavy winter storm in November 1994. The beds were in tall upland shrubland, and the tracks leaving the beds meandered through mesic mixed grassland before departing from the Site.

Table 4 presents summaries of habitat use data from relative abundance surveys, site-wide significant species surveys, and fortuitous sightings of big game species. A complete summary of all significant species is presented in Appendix A.

Relative Abundance Surveys - Big Game

During relative abundance surveys all big game species encountered were recorded, as were all animal species. All records of this significant species group were entered into the Significant Species Database. Analyses of relative abundance survey results indicate the abundant presence of Mule Deer and very rare visitations by Elk. Relative abundance surveys and fortuitous sightings have confirmed the continued presence of a Mule Deer/White-tailed Deer hybrid.

Site-wide Significant Species Surveys - Big Game

A site-wide significant species survey conducted on January 3, 1995 for the purpose of obtaining a winter population count of big game at the Site, revealed the presence of 163 Mule Deer. Winter surveys such as this are weather dependent. The survey was not performed in late December due to the lack of snow cover. The age class breakdown revealed a fawn to doe ratio of 1:1.4 and a buck to doe ratio of approximately 1:2. This is a change from the count conducted in January 1994 when the buck to doe ratio was 1:3, and the fawn to doe ratio was 1:2. The sex ratio of approximately 2 adult does per 1 adult buck indicates a very healthy Mule Deer population (Wallmo 1981). Because of the rough terrain, and the limited number of passable roads, ground counts conducted over the major roads of the Site undoubtedly miss some of the Mule Deer present on the Site during a count. The large number of deer present in the Buffer Zone (slightly in excess of 15 deer/mi²) is due both to excellent health of the habitat, and the protection afforded them by the prohibition of hunting within Site boundaries. The lack of constant disturbance in the Buffer Zone also provides protection from stress and promotes a good fawn survival rate.

TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLA
11/15/94	745	ELK	CEEL1	BZ	BS01B		14	F	0	1	2	TALL UPLAND SHRUBLAND	230			3		2	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																3				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				
12/19/94	1043	MULE DEER	ODHE1	BZ	RW02B		5	O	1		2	WET MEADOW	10			5	5			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																5	5			
06/13/94	1504	MULE DEER	ODHE1	BZ			5	I	1		2	WET MEADOW	10			2	1	1		
06/13/94	1504	MULE DEER	ODHE1	BZ			7	K	1		2	WET MEADOW	10			2		1	1	
06/16/94	1539	MULE DEER	ODHE1	BZ	RG03B		3	N	1		2	WET MEADOW	10			1		1		
06/23/94	915	MULE DEER	ODHE1	BZ			11	E	1		2	WET MEADOW	10			7		7		
07/25/94	730	MULE DEER	ODHE1	BZ	RS03B		5	Q	1		2	WET MEADOW	10			1		1		
08/23/94		MULE DEER	ODHE1	BZ	BA01B		5	I	1		2	WET MEADOW	10			2		1	1	
08/31/94	951	MULE DEER	ODHE1	BZ	RS01B		15	G	1		2	WET MEADOW	10			4	4			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																19	5	12	2	
10/05/94	1335	MULE DEER	ODHE1	BZ	RA03B		6	I	1	5	2	WET MEADOW	10			5		4	1	
10/12/94	1459	MULE DEER	ODHE1	BZ	POND A-2	OU6	12	O	5		2	WET MEADOW	10			5		3	2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																10		7	3	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																34				
12/06/94	1010	MULE DEER	ODHE1	BZ			6	I	5	0	2	SHORT MARSH	20			6	1	3	2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																6	1	3	2	
03/18/94	1510	MULE DEER	ODHE1	BZ			6	I	0		2	SHORT MARSH	20			13		10	3	
04/29/94	1356	MULE DEER	ODHE1	BZ	RA01B		12	F	0		2	SHORT MARSH	20			8			3	
05/20/94	948	MULE DEER	ODHE1	BZ	POND A-3	OU6	12	P	1		2	SHORT MARSH	20			2		2		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																23		12	6	
06/13/94	1513	MULE DEER	ODHE1	BZ			6	I	1		2	SHORT MARSH	20			1		1		
06/23/94	950	MULE DEER	ODHE1	BZ			5	I	1		2	SHORT MARSH	20			3		1	2	
06/24/94	1222	MULE DEER	ODHE1	BZ	RA01B		11	E	0		2	SHORT MARSH	20			2	1	1		
06/24/94	1235	MULE DEER	ODHE1	BZ	RA01B		12	F	1		2	SHORT MARSH	20			1			1	
07/20/94	1200	MULE DEER	ODHE1	BZ			5	I	1		2	SHORT MARSH	20			8	5	3		
07/27/94	1029	MULE DEER	ODHE1	BZ	RA03B		5	I	1		2	SHORT MARSH	20			1	1			
08/16/94	800	MULE DEER	ODHE1	BZ	BA01R		11	E	0		2	SHORT MARSH	20			1		1		
08/17/94	2110	MULE DEER	ODHE1	BZ			5	I	5		3	SHORT MARSH	20			1		1		
08/23/94		MULE DEER	ODHE1	BZ	BA01B		5	I	1		2	SHORT MARSH	20	TALL MARSH	30	4	1	3		
08/31/94	800	MULE DEER	ODHE1	BZ	RA03B		5	I	1		2	SHORT MARSH	20			3		2	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																25	8	13	4	
09/12/94	1016	MULE DEER	ODHE1	BZ	RA03B		5	I	1		2	SHORT MARSH	20			4		2	2	
09/19/94	900	MULE DEER	ODHE1	BZ	RA01B		13	H	1		2	SHORT MARSH	20			4		3	1	
10/10/94	900	MULE DEER	ODHE1	BZ			6	I	5	0	2	SHORT MARSH	20	MESIC MIXED GRASSLAND	322	6	2	2	2	
10/24/94	907	MULE DEER	ODHE1	BZ	RA02A		5	I	5		2	SHORT MARSH	20			1	1			
11/22/94	1500	MULE DEER	ODHE1	BZ			6	I	5		2	SHORT MARSH	20			2		1	1	

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TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT- IVTY 1	ACT- IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FMALE	NO. YNG	UN-CLASS
11/23/94	1100	MULE DEER	ODHE1	BZ	RW02B		4	M	5		2	SHORT MARSH	20			5		3	2	
11/28/94	1146	MULE DEER	ODHE1	BZ			15	J	1		2	SHORT MARSH	20			2	2			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																24	5	11	8	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																78				
06/13/94	1320	MULE DEER	ODHE1	BZ			13	H	0		2	TALL MARSH	30			1		1		
06/28/94	1511	MULE DEER	ODHE1	BZ	RA02B		10	P	0		2	TALL MARSH	30			1		1		
06/28/94	1526	MULE DEER	ODHE1	BZ	RA02B		10	O	1		2	TALL MARSH	30			2		1	1	
07/27/94	1210	MULE DEER	ODHE1	BZ	RA02A		6	I	1		2	TALL MARSH	30			2	1	1		
07/29/94	1010	MULE DEER	ODHE1	BZ	RA01B		12	G	1		2	TALL MARSH	30			4		2	2	
08/24/94	843	MULE DEER	ODHE1	BZ	RA02B		10	P	0		2	TALL MARSH	30			3		1	2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																13	1	7	5	
09/12/94	1019	MULE DEER	ODHE1	BZ	RA03B		5	I	1		2	TALL MARSH	30			3		1	2	
09/19/94	948	MULE DEER	ODHE1	BZ	RA01B		12	F	1		2	TALL MARSH	30			1		1		
09/29/94	816	MULE DEER	ODHE1	BZ	RW02B		4	K	0		2	TALL MARSH	30			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																5	1	2	2	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																18				
05/20/94	948	MULE DEER	ODHE1	BZ	POND A-3	OU6	12	P	16		2	OPEN SHALLOW WATER	54			6	1	5		
05/20/94	1008	MULE DEER	ODHE1	BZ	POND B-5	OU6	11	Q	1		2	OPEN SHALLOW WATER	54			4		4		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																10	1	9		
11/08/94	817	MULE DEER	ODHE1	BZ	POND A-2	OU6	12	O	0		2	OPEN SHALLOW WATER	54			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1		1		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																11				
03/16/94	1452	MULE DEER	ODHE1	BZ		OU11	9	E	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	10		8	2	
05/20/94	840	MULE DEER	ODHE1	BZ			4	L	0		2	DECIDUOUS WOODLAND	110			12	8	3	1	
05/23/94	1100	MULE DEER	ODHE1	BZ			4	L	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	7	1	6		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																29	9	17	3	
06/01/94	1500	MULE DEER	ODHE1	BZ			5	P	0		2	DECIDUOUS WOODLAND	110			2	2			
06/01/94	1500	MULE DEER	ODHE1	BZ			5	Q	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1		1		
06/01/94	1355	MULE DEER	ODHE1	BZ			5	Q	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1	1			
06/01/94	1506	MULE DEER	ODHE1	BZ			4	I	0		2	DECIDUOUS WOODLAND	110			10	1	9		
06/10/94	1028	MULE DEER	ODHE1	BZ	RW01A		7	O	1		2	DECIDUOUS WOODLAND	110			5	5			
06/10/94	940	MULE DEER	ODHE1	BZ	RW01A		7	K	1		2	DECIDUOUS WOODLAND	110			1				1
06/10/94	1045	MULE DEER	ODHE1	BZ	RW01A		7	O	1		2	DECIDUOUS WOODLAND	110			1		1		
06/14/94	1030	MULE DEER	ODHE1	BZ	RW01B		13	S	1		2	DECIDUOUS WOODLAND	110			1		1		
06/16/94	1323	MULE DEER	ODHE1	BZ	RW02B		5	O	1		2	DECIDUOUS WOODLAND	110			6	2	3	1	
06/16/94	1314	MULE DEER	ODHE1	BZ	RW02B		5	P	1		2	DECIDUOUS WOODLAND	110			1		1		
06/16/94	1331	MULE DEER	ODHE1	BZ	RW02B		4	N	1		2	DECIDUOUS WOODLAND	110			1				1
06/16/94	1349	MULE DEER	ODHE1	BZ	RW02B		4	L	1		2	DECIDUOUS WOODLAND	110			1				1
06/20/94		MULE DEER	ODHE1	BZ	BS03B		5	R	0		2	DECIDUOUS WOODLAND	110			1		1		

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06/21/94	958	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	DECIDUOUS WOODLAND	110			3				3
06/28/94	1359	MULE DEER	ODHE1	BZ	RA02B	OU6	11	N	1		2	DECIDUOUS WOODLAND	110			1		1		
06/28/94	1502	MULE DEER	ODHE1	BZ	RA02B	OU6	11	P	0		2	DECIDUOUS WOODLAND	110			2		1	1	
06/28/94	1350	MULE DEER	ODHE1	BZ	RA02B	OU6	11	M	0		2	DECIDUOUS WOODLAND	110			3		3		
06/29/94	1132	MULE DEER	ODHE1	BZ	RW03B	OU5	7	J	0		2	DECIDUOUS WOODLAND	110			1	1			
06/30/94	1159	MULE DEER	ODHE1	BZ	RA04B		4	R	0		2	DECIDUOUS WOODLAND	110			3	2	1		
07/26/94	1509	MULE DEER	ODHE1	BZ	RW01B		13	T	1		2	DECIDUOUS WOODLAND	110			2			2	
07/26/94	1430	MULE DEER	ODHE1	BZ	RW01B		14	Q	1		2	DECIDUOUS WOODLAND	110			5	5			
07/28/94	1551	MULE DEER	ODHE1	BZ	RW02B		5	P	0		2	DECIDUOUS WOODLAND	110			2	2			
07/28/94	754	MULE DEER	ODHE1	BZ	RW03B	OU5	7	I	0		2	DECIDUOUS WOODLAND	110			2		2		
07/28/94	805	MULE DEER	ODHE1	BZ	RW03B	OU5	7	H	1		2	DECIDUOUS WOODLAND	110			1		1		
07/28/94	800	MULE DEER	ODHE1	BZ	RW03B	OU5	7	H	1		2	DECIDUOUS WOODLAND	110			1			1	
08/23/94	1001	MULE DEER	ODHE1	BZ	POND B-1	OU6	10	O	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1		1		
08/24/94	724	MULE DEER	ODHE1	BZ	RA02B	OU6	11	M	1	0	2	DECIDUOUS WOODLAND	110			4		2	2	
08/24/94	724	MULE DEER	ODHE1	BZ	RA02B	OU6	11	M	1		2	DECIDUOUS WOODLAND	110			1			1	
08/29/94	1526	MULE DEER	ODHE1	BZ	RW03B	OU5	7	I	0		2	DECIDUOUS WOODLAND	110			4		4		
08/31/94	1011	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	DECIDUOUS WOODLAND	110			2		1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																70	21	34	9	6
09/15/94	820	MULE DEER	ODHE1	BZ	RW03B	OU5	7	H	1		2	DECIDUOUS WOODLAND	110			3		1	2	
09/22/94	1130	MULE DEER	ODHE1	BZ	RW01A	OU5	7	P	1		2	DECIDUOUS WOODLAND	110			2		1	1	
11/14/94	1300	MULE DEER	ODHE1	BZ	RA02B	OU6	11	M	1		2	DECIDUOUS WOODLAND	110			3		2	1	
11/21/94	1225	MULE DEER	ODHE1	BZ	RW01A		7	K	1		2	DECIDUOUS WOODLAND	110			2			2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																10		4	6	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																109				
06/13/94	920	MULE DEER	ODHE1	BZ	BA01R		11	F	0		2	PONDEROSA WOODLAND	120			2		2		
06/13/94	1520	MULE DEER	ODHE1	BZ			11	E	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1	1			
06/24/94	1224	MULE DEER	ODHE1	BZ	RA01B		11	E	0		2	PONDEROSA WOODLAND	120			1		1		
08/09/94	2157	MULE DEER	ODHE1	BZ			11	E	5	1	4	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	4	3	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																8	4	4		
10/28/94	850	MULE DEER	ODHE1	BZ			7	F	0		2	PONDEROSA WOODLAND	120			2		2		
11/21/94	1420	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	PONDEROSA PINE TREE	120	TALL UPLAND SHRUBLAND	230	1	1			
11/28/94	1206	MULE DEER	ODHE1	BZ			11	E	0		2	PONDEROSA WOODLAND	120			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																4	1	3		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																12				
05/20/94	851	MULE DEER	ODHE1	BZ			6	I	1		2	TREE PLANTINGS	130	MESIC MIXED GRASSLAND	322	8			7	1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																8			7	1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																8				
05/02/94	1255	MULE DEER	ODHE1	BZ	RW02B		4	N	1		2	BOTTOMLAND SHRUBLAND	210			35	4			31
05/18/94	1457	MULE DEER	ODHE1	BZ	RW02B		5	O	0		2	BOTTOMLAND SHRUBLAND	210			1		1		

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05/20/94	948	MULE DEER	ODHE1	BZ	POND A-3	OU6	12	P	1		2	BOTTOMLAND SHRUBLAND	210			7	1	6		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																43	5	7		31
06/07/94	800	MULE DEER	ODHE1	BZ	BW01B		13	T	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/16/94	1404	MULE DEER	ODHE1	BZ	RW02B		4	L	1		2	BOTTOMLAND SHRUBLAND	210			1				1
06/16/94	1358	MULE DEER	ODHE1	BZ	RW02B		4	L	1		2	BOTTOMLAND SHRUBLAND	210			2		2		
06/16/94	1415	MULE DEER	ODHE1	BZ	RW02B		4	L	1		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/20/94		MULE DEER	ODHE1	BZ	BS03B		5	S	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/21/94	1030	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	BOTTOMLAND SHRUBLAND	210			3	3			
06/21/94	1030	MULE DEER	ODHE1	BZ	RS01B		14	F	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/28/94	1420	MULE DEER	ODHE1	BZ	RA02B	OU6	12	N	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/28/94	1355	MULE DEER	ODHE1	BZ	RA02B	OU6	11	N	0		2	BOTTOMLAND SHRUBLAND	210			2		2		
06/28/94	1408	MULE DEER	ODHE1	BZ	RA02B	OU6	11	N	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/29/94	645	MULE DEER	ODHE1	BZ	POND A-2	OU6	12	O	1		2	BOTTOMLAND SHRUBLAND	210			1		1		
06/30/94	1245	MULE DEER	ODHE1	BZ	RS03B		5	S	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
07/13/94	815	MULE DEER	ODHE1	BZ	BS03B		5	R	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
07/13/94	815	MULE DEER	ODHE1	BZ	BS03B		5	S	1		2	BOTTOMLAND SHRUBLAND	210			1		1		
07/25/94	708	MULE DEER	ODHE1	BZ	RS03B		5	S	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
07/28/94	1605	MULE DEER	ODHE1	BZ	RW02B		4	N	0		2	BOTTOMLAND SHRUBLAND	210			3	3			
07/28/94	1610	MULE DEER	ODHE1	BZ	RW02B		4	L	0		2	BOTTOMLAND SHRUBLAND	210			4		3	1	
07/29/94	956	MULE DEER	ODHE1	BZ	RA01B		13	H	1		2	BOTTOMLAND SHRUBLAND	210			2		2		
08/29/94	851	MULE DEER	ODHE1	BZ	RS03B		5	R	0		2	BOTTOMLAND SHRUBLAND	210			3		1	2	
08/29/94	1515	MULE DEER	ODHE1	BZ	RW03B	OU5	7	J	0		2	BOTTOMLAND SHRUBLAND	210			1		1		
08/30/94	734	MULE DEER	ODHE1	BZ	RW02B		5	O	1		2	BOTTOMLAND SHRUBLAND	210			2		2		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																34	6	24	3	1
09/15/94	820	MULE DEER	ODHE1	BZ	RW03B	OU5	7	G	1		2	BOTTOMLAND SHRUBLAND	210			6		4		2
09/29/94	810	MULE DEER	ODHE1	BZ	RW02B		4	N	0		2	BOTTOMLAND SHRUBLAND	210			1	1			
09/29/94	749	MULE DEER	ODHE1	BZ	RW02B		5	O	0		2	BOTTOMLAND SHRUBLAND	210			1	1			
10/24/94	806	MULE DEER	ODHE1	BZ	RW03B	OU5	7	J	1		2	BOTTOMLAND SHRUBLAND	210			7		4	3	
10/26/94	1027	MULE DEER	ODHE1	BZ	RW02B		4	M	1		2	BOTTOMLAND SHRUBLAND	210			3		1	2	
10/26/94	1010	MULE DEER	ODHE1	BZ	RW02B		5	O	1		2	BOTTOMLAND SHRUBLAND	210			5		1	4	
11/14/94	1328	MULE DEER	ODHE1	BZ	RA02B	OU6	12	O	0		2	BOTTOMLAND SHRUBLAND	210			4	1	1	2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																27	3	11	11	2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																104				
06/13/94	810	MULE DEER	ODHE1	BZ			14	G	0		2	SHORT UPLAND SHRUBLAND	220			5	2	3		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																5	2	3		
09/29/94	745	MULE DEER	ODHE1	BZ	RW02B		5	P	5		2	SHORT UPLAND SHRUBLAND	220			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1	1			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																6				
12/19/94	829	MULE DEER	ODHE1	BZ			13	F	5	0	2	TALL UPLAND SHRUBLAND	230			17	4	7	6	

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12/20/94	1030	MULE DEER	ODHE1	BZ	RS01B		14	G	0		2	TALL UPLAND SHRUBLAND	230			1	1			
12/20/94	1030	MULE DEER	ODHE1	BZ	RS01B		15	G	1		2	TALL UPLAND SHRUBLAND	230			2		1	1	
12/20/94	1030	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	TALL UPLAND SHRUBLAND	230			7	2	3	2	
12/22/94	1358	MULE DEER	ODHE1	BZ			15	J	5	0	2	TALL UPLAND SHRUBLAND	230			9	2	4	3	
01/14/94	1420	MULE DEER	ODHE1	BZ			13	F	1	5	2	TALL UPLAND SHRUBLAND	230			30	3	20	7	
02/02/94	815	MULE DEER	ODHE1	BZ	BS01B		14	F	5		2	TALL UPLAND SHRUBLAND	230			24	2	15	7	
02/02/94	920	MULE DEER	ODHE1	BZ	BS02B		14	I	0		2	TALL UPLAND SHRUBLAND	230			1		1		
02/22/94	1430	MULE DEER	ODHE1	BZ	RS01B		15	G	5		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	6		3	3	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																97	14	54	29	
04/18/94	700	MULE DEER	ODHE1	BZ	BS02B		14	G	0		2	TALL UPLAND SHRUBLAND	230			3		2	1	
04/25/94	740	MULE DEER	ODHE1	BZ	BS01B		14	F	13	5	2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	19	3	10	6	
05/03/94	1231	MULE DEER	ODHE1	BZ	RA02A	OU6	11	P	1		2	TALL UPLAND SHRUBLAND	230			5	5			
05/16/94	840	MULE DEER	ODHE1	BZ	BS01B		14	G	0	5	2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	19	2	10	7	
05/16/94	830	MULE DEER	ODHE1	BZ	BS01B		14	H	1		2	TALL UPLAND SHRUBLAND	230			1	1			
05/20/94	909	MULE DEER	ODHE1	BZ			14	H	1		2	TALL UPLAND SHRUBLAND	230			10	3	6	1	
05/20/94	917	MULE DEER	ODHE1	BZ			14	I	0		2	TALL UPLAND SHRUBLAND	230			2		2		
05/25/94	1602	MULE DEER	ODHE1	BZ	RA01B		13	H	1		2	TALL UPLAND SHRUBLAND	230			4		4		
05/25/94	1500	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			11		9	2	
05/25/94	1447	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	TALL UPLAND SHRUBLAND	230			11		11		
05/26/94	715	MULE DEER	ODHE1	BZ	RS02B		16	L	0		2	TALL UPLAND SHRUBLAND	230			1	1			
05/26/94	736	MULE DEER	ODHE1	BZ	RS02B		16	M	0		2	TALL UPLAND SHRUBLAND	230			4	4			
05/26/94	658	MULE DEER	ODHE1	BZ	RS02B		15	J	0		2	TALL UPLAND SHRUBLAND	230			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																91	19	55	17	
06/01/94	1550	MULE DEER	ODHE1	BZ			16	L	0		2	TALL UPLAND SHRUBLAND	230			1	1			
06/01/94	1525	MULE DEER	ODHE1	BZ			13	F	5		2	TALL UPLAND SHRUBLAND	230			1			1	
06/07/94	630	MULE DEER	ODHE1	BZ			14	F	1		2	TALL UPLAND SHRUBLAND	230			3		1	2	
06/13/94	710	MULE DEER	ODHE1	BZ	BS01B		14	G	0		2	TALL UPLAND SHRUBLAND	230			1		1		
06/13/94	710	MULE DEER	ODHE1	BZ	BS01B		14	G	0		2	TALL UPLAND SHRUBLAND	230			1		1		
06/13/94	800	MULE DEER	ODHE1	BZ	BS01B		14	F	0		2	TALL UPLAND SHRUBLAND	230			1		1		
06/13/94	650	MULE DEER	ODHE1	BZ			14	H	1		2	TALL UPLAND SHRUBLAND	230			9	4	5		
06/20/94	1040	MULE DEER	ODHE1	BZ	RS02B		15	K	0		2	TALL UPLAND SHRUBLAND	230			2	2			
06/20/94	1123	MULE DEER	ODHE1	BZ	RS02B		16	L	1		2	TALL UPLAND SHRUBLAND	230			1		1		
06/21/94	900	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	TALL UPLAND SHRUBLAND	230			4		2	1	
06/24/94	650	MULE DEER	ODHE1	BZ	BS02B		14	H	0		2	TALL UPLAND SHRUBLAND	230			1		1		
06/27/94	830	MULE DEER	ODHE1	BZ	BS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			3		2	1	
06/27/94	830	MULE DEER	ODHE1	BZ	BS01B		14	G	0		2	TALL UPLAND SHRUBLAND	230			1		1		
06/27/94	830	MULE DEER	ODHE1	BZ	BS01B		14	G	0		2	TALL UPLAND SHRUBLAND	230			2		1	1	
06/29/94	730	MULE DEER	ODHE1	BZ	BW01R		15	I	0		2	TALL UPLAND SHRUBLAND	230			4		4		
06/29/94	652	MULE DEER	ODHE1	BZ			16	L	1		2	TALL UPLAND SHRUBLAND	230			2		2		

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLA
07/14/94	900	MULE DEER	ODHE1	BZ	BS02B		14	I	0		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1		1		
07/14/94	845	MULE DEER	ODHE1	BZ	BS02B		14	J	0		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	2	2			
07/14/94	900	MULE DEER	ODHE1	BZ	BS02B		14	I	0		2	TALL UPLAND SHRUBLAND	230			1		1		
07/19/94	730	MULE DEER	ODHE1	BZ	BS01B		13	F	0		2	TALL UPLAND SHRUBLAND	230			1		1		
07/19/94	740	MULE DEER	ODHE1	BZ	BS01B		13	F	1		2	TALL UPLAND SHRUBLAND	230			2			2	
07/19/94	715	MULE DEER	ODHE1	BZ	BS01B		14	G	5		2	TALL UPLAND SHRUBLAND	230			3	1	2		
07/19/94	715	MULE DEER	ODHE1	BZ	BS01B		14	H	5		2	TALL UPLAND SHRUBLAND	230			2		2		
07/19/94	800	MULE DEER	ODHE1	BZ	BS01B		13	F	0		2	TALL UPLAND SHRUBLAND	230			1				1
07/26/94	1335	MULE DEER	ODHE1	BZ	RS02B		16	L	0		2	TALL UPLAND SHRUBLAND	230			4	4			
07/26/94	1417	MULE DEER	ODHE1	BZ	RS02B		16	M	0		2	TALL UPLAND SHRUBLAND	230			1				
07/26/94	1340	MULE DEER	ODHE1	BZ	RS02B		16	L	0		2	TALL UPLAND SHRUBLAND	230			6	6			
07/27/94	1617	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			1		1		
07/27/94	1610	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			2	2			
07/27/94	1555	MULE DEER	ODHE1	BZ	RS01B		14	F	1	5	2	TALL UPLAND SHRUBLAND	230			4		4		
07/27/94	1555	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			4	1	1	2	
07/27/94	1630	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	TALL UPLAND SHRUBLAND	230			4		2	2	
08/05/94	730	MULE DEER	ODHE1	BZ	BS01B		14	G	1	5	2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	4	1	1	2	
08/05/94	750	MULE DEER	ODHE1	BZ	BS01B		13	F	1		2	TALL UPLAND SHRUBLAND	230			1		1		
08/05/94	700	MULE DEER	ODHE1	BZ	BS01B		14	H	5		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	2		2		
08/05/94	740	MULE DEER	ODHE1	BZ	BS01B		14	F	0		2	TALL UPLAND SHRUBLAND	230			1		1		
08/05/94	730	MULE DEER	ODHE1	BZ	BS01B		14	G	0		2	TALL UPLAND SHRUBLAND	230			1		1		
08/05/94	1105	MULE DEER	ODHE1	BZ	BS02B		14	J	0		2	TALL UPLAND SHRUBLAND	230			3		2	1	
08/05/94	1120	MULE DEER	ODHE1	BZ			14	F	0		2	TALL UPLAND SHRUBLAND	230			1	1			
08/16/94		MULE DEER	ODHE1	BZ			14	F	5	1	4	TALL UPLAND SHRUBLAND	230			4	1	3		
08/26/94		MULE DEER	ODHE1	BZ	BS02B		14	G	0		2	TALL UPLAND SHRUBLAND	230			1	1			
08/31/94	1008	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			2	1	1		
08/31/94	1016	MULE DEER	ODHE1	BZ	RS01B		14	F	1		2	TALL UPLAND SHRUBLAND	230			3	1	1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																99	29	51	17	
09/20/94	916	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			6		5	1	
09/20/94	845	MULE DEER	ODHE1	BZ	RS01B		15	G	1		2	TALL UPLAND SHRUBLAND	230			3		2	1	
09/20/94	845	MULE DEER	ODHE1	BZ	RS01B		15	G	1		2	TALL UPLAND SHRUBLAND	230			1		1		
10/12/94	1138	MULE DEER	ODHE1	BZ			16	H	0		2	TALL UPLAND SHRUBLAND	230			6		6		
10/28/94	734	MULE DEER	ODHE1	BZ			13	H	1		2	TALL UPLAND SHRUBLAND	230			1	1			
10/28/94	827	MULE DEER	ODHE1	BZ			14	H	1	0	2	TALL UPLAND SHRUBLAND	230			7	1	5	1	
11/21/94	1424	MULE DEER	ODHE1	BZ	RS01B		14	G	1		2	TALL UPLAND SHRUBLAND	230			1		1		
11/21/94	1016	MULE DEER	ODHE1	BZ	RS02B		14	F	1		2	TALL UPLAND SHRUBLAND	230			2	1	1		
11/28/94	1130	MULE DEER	ODHE1	BZ			14	F	0		2	TALL UPLAND SHRUBLAND	230			10	2	7	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																37	5	28	4	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																324				

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TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLA
12/01/94	1540	MULE DEER	ODHE1	BZ			14	S	5		2	MESIC MIXED GRASSLAND	322			17				
12/01/94	1600	MULE DEER	ODHE1	BZ		OU11	8	F	5		2	MESIC MIXED GRASSLAND	322			18				
12/05/94	758	MULE DEER	ODHE1	BZ			15	L	5		2	MESIC MIXED GRASSLAND	322			3			1	2
12/05/94	859	MULE DEER	ODHE1	BZ			15	J	5		2	MESIC MIXED GRASSLAND	322			3	2		1	
12/05/94	747	MULE DEER	ODHE1	BZ		OU6	11	N	5		2	MESIC MIXED GRASSLAND	322			1	1			
12/06/94	917	MULE DEER	ODHE1	BZ			5	F	0		2	MESIC MIXED GRASSLAND	322			6	1		3	2
12/06/94	1010	MULE DEER	ODHE1	BZ			7	L	5		2	MESIC MIXED GRASSLAND	322			10			5	5
12/06/94	1028	MULE DEER	ODHE1	BZ			7	L	5		2	MESIC MIXED GRASSLAND	322			6			3	3
12/06/94	1010	MULE DEER	ODHE1	BZ			5	I	5	0	2	MESIC MIXED GRASSLAND	322			8	1		5	2
12/06/94	1058	MULE DEER	ODHE1	BZ			14	L	1		2	MESIC MIXED GRASSLAND	322			1	1			
12/06/94	1115	MULE DEER	ODHE1	BZ		OU6	12	N	5	0	2	MESIC MIXED GRASSLAND	322			5	1		1	3
12/06/94	1119	MULE DEER	ODHE1	BZ		OU6	11	P	0		2	MESIC MIXED GRASSLAND	322			1	1			
12/09/94	1100	MULE DEER	ODHE1	BZ		OU6	11	N	5		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210	5	5			
12/12/94	805	MULE DEER	ODHE1	BZ		OU10	11	K	1	0	2	MESIC MIXED GRASSLAND	322			11				
12/13/94	812	MULE DEER	ODHE1	BZ			14	S	5		2	MESIC MIXED GRASSLAND	322			3	1		2	
12/13/94	835	MULE DEER	ODHE1	BZ			13	G	0	5	2	MESIC MIXED GRASSLAND	322			3	3			
12/13/94	830	MULE DEER	ODHE1	BZ		OU6	13	Q	5	1	2	MESIC MIXED GRASSLAND	322			6	2		4	
12/14/94	736	MULE DEER	ODHE1	BZ		OU6	12	N	5		2	MESIC MIXED GRASSLAND	322			11			8	3
12/15/94	748	MULE DEER	ODHE1	BZ			3	P	5		2	MESIC MIXED GRASSLAND	322			18	1		12	5
12/15/94	826	MULE DEER	ODHE1	BZ			7	S	5		2	MESIC MIXED GRASSLAND	322			11				
12/15/94	920	MULE DEER	ODHE1	BZ			6	H	5	1	2	MESIC MIXED GRASSLAND	322			10	2			
12/15/94	1350	MULE DEER	ODHE1	BZ			5	Q	5		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	12	3		5	4
12/15/94	940	MULE DEER	ODHE1	BZ			6	F	6		2	MESIC MIXED GRASSLAND	322			2	1		1	
12/19/94	1625	MULE DEER	ODHE1	BZ	RW01B		7	M	1		2	MESIC MIXED GRASSLAND	322			2	2			
12/19/94	1045	MULE DEER	ODHE1	BZ	RW02B		4	N	1		2	MESIC MIXED GRASSLAND	322			15	1		8	6
12/19/94	1021	MULE DEER	ODHE1	BZ	RW02B		5	P	1		2	MESIC MIXED GRASSLAND	322			1	1			
12/19/94	717	MULE DEER	ODHE1	BZ			14	O	5		2	MESIC MIXED GRASSLAND	322			18	2		11	5
12/19/94	757	MULE DEER	ODHE1	BZ			13	G	5		2	MESIC MIXED GRASSLAND	322			6			3	3
12/19/94	755	MULE DEER	ODHE1	BZ			13	H	5		2	MESIC MIXED GRASSLAND	322			6			4	2
12/19/94	823	MULE DEER	ODHE1	BZ			14	H	5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	8	1		6	1
12/19/94	720	MULE DEER	ODHE1	BZ			15	O	5		2	MESIC MIXED GRASSLAND	322			5	2		3	
12/19/94	756	MULE DEER	ODHE1	BZ			14	H	5		2	MESIC MIXED GRASSLAND	322			1	1			
12/19/94	728	MULE DEER	ODHE1	BZ			14	H	0		2	MESIC MIXED GRASSLAND	322			16				
12/19/94	726	MULE DEER	ODHE1	BZ			15	J	5		2	MESIC MIXED GRASSLAND	322			5			3	2
12/19/94	1458	MULE DEER	ODHE1	BZ		OU5	6	O	5	0	2	MESIC MIXED GRASSLAND	322			9	5		3	1
12/20/94	1006	MULE DEER	ODHE1	BZ	RA01B		13	G	0		2	MESIC MIXED GRASSLAND	322			9			5	4
12/20/94	832	MULE DEER	ODHE1	BZ	RG02B		16	Q	5	11	2	MESIC MIXED GRASSLAND	322			7	7			
12/20/94	1116	MULE DEER	ODHE1	BZ	RG03B		2	N	1		2	MESIC MIXED GRASSLAND	322			2	2			
12/20/94	1105	MULE DEER	ODHE1	BZ	RG03B		2	K	1		2	MESIC MIXED GRASSLAND	322			7			7	

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLAS
12/20/94	921	MULE DEER	ODHE1	BZ			14	J	5		2	MESIC MIXED GRASSLAND	322			11		6	5	
12/21/94	953	MULE DEER	ODHE1	BZ	RA03B		7	K	1		2	MESIC MIXED GRASSLAND	322			12		8	4	
12/21/94	838	MULE DEER	ODHE1	BZ	RA03B		5	I	5		2	MESIC MIXED GRASSLAND	322			16		7	9	
12/22/94	901	MULE DEER	ODHE1	BZ			8	N	1		2	MESIC MIXED GRASSLAND	322			1	1			
12/22/94	1301	MULE DEER	ODHE1	BZ			5	P	0		2	MESIC MIXED GRASSLAND	322			2	2			
12/22/94	901	MULE DEER	ODHE1	BZ			14	T	5		2	MESIC MIXED GRASSLAND	322			7	4	3		
12/22/94	1358	MULE DEER	ODHE1	BZ			13	H	5		2	MESIC MIXED GRASSLAND	322			4		2	2	
12/22/94	1358	MULE DEER	ODHE1	BZ			14	H	1		2	MESIC MIXED GRASSLAND	322			4		2	2	
12/22/94	901	MULE DEER	ODHE1	BZ			11	R	0		2	MESIC MIXED GRASSLAND	322			18	4	10	4	
12/22/94	1301	MULE DEER	ODHE1	BZ			4	L	0	5	2	MESIC MIXED GRASSLAND	322			20	2	13	5	
12/22/94	1301	MULE DEER	ODHE1	BZ			6	S	0		2	MESIC MIXED GRASSLAND	322			13	5	4	4	
12/22/94	830	MULE DEER	ODHE1	BZ		OU2	9	P	0		2	MESIC MIXED GRASSLAND	322			3		3		
12/22/94	1301	MULE DEER	ODHE1	BZ		OU11	9	D	5	1	2	MESIC MIXED GRASSLAND	322			14		9	5	
01/14/94	1435	MULE DEER	ODHE1	BZ			16	L	0	5	2	MESIC MIXED GRASSLAND	322	SHORT UPLAND SHRUBLAND	220	8	4	3	1	
01/14/94	1536	MULE DEER	ODHE1	BZ			16	Q	5		2	MESIC MIXED GRASSLAND	322			3	3			
01/14/94	1550	MULE DEER	ODHE1	BZ			2	K	1		2	MESIC MIXED GRASSLAND	322			4	4			
01/25/94	825	MULE DEER	ODHE1	BZ	BX01L		10	G	0		2	MESIC MIXED GRASSLAND	322	PONDEROSA WOODLAND	120	14	1	13		
01/25/94	1500	MULE DEER	ODHE1	BZ	RG02B		15	P	1	0	2	MESIC MIXED GRASSLAND	322			9	2	5	2	
01/25/94	1220	MULE DEER	ODHE1	BZ			10	D	0		2	MESIC MIXED GRASSLAND	322			26				
01/25/94	1538	MULE DEER	ODHE1	BZ			15	S	5		2	MESIC MIXED GRASSLAND	322			6	6			
02/01/94	1445	MULE DEER	ODHE1	BZ	RA02B	OU7	12	M	5		2	MESIC MIXED GRASSLAND	322			16		11	5	
02/01/94	1511	MULE DEER	ODHE1	BZ	RA02B	OU6	11	P	0		2	MESIC MIXED GRASSLAND	322			9	8	1		
02/01/94	1529	MULE DEER	ODHE1	BZ	RW01A		7	K	1		2	MESIC MIXED GRASSLAND	322			17	5	7	5	
02/02/94	815	MULE DEER	ODHE1	BZ	BS01B		15	G	5		2	MESIC MIXED GRASSLAND	322			10		10		
02/04/94	915	MULE DEER	ODHE1	BZ	TR04		14	S	5	0	2	MESIC MIXED GRASSLAND	322			15	8	6	1	
02/04/94	915	MULE DEER	ODHE1	BZ	TR04		14	S	11		2	MESIC MIXED GRASSLAND	322			2	2			
02/04/94	1020	MULE DEER	ODHE1	BZ			6	Q	5	0	2	MESIC MIXED GRASSLAND	322			14	2	9	3	
02/18/94	1537	MULE DEER	ODHE1	BZ		OU2	10	O	0		2	MESIC MIXED GRASSLAND	322			14		10	4	
02/18/94	1535	MULE DEER	ODHE1	BZ		OU2	10	O	0		2	MESIC MIXED GRASSLAND	322			9	2	6	1	
02/22/94	1455	MULE DEER	ODHE1	BZ			14	O	0		2	MESIC MIXED GRASSLAND	322			4	4			
02/22/94	1500	MULE DEER	ODHE1	BZ			13	P	0		2	MESIC MIXED GRASSLAND	322			18	1			
02/22/94	1500	MULE DEER	ODHE1	BZ			10	P	0		2	MESIC MIXED GRASSLAND	322			21	2	15	4	
02/22/94	1500	MULE DEER	ODHE1	BZ			11	N	0	5	2	MESIC MIXED GRASSLAND	322			14		8	6	
02/22/94	1507	MULE DEER	ODHE1	BZ			9	N	5		2	MESIC MIXED GRASSLAND	322			4		4		
02/28/94		MULE DEER	ODHE1	BZ	BX01B		10	Q	5		2	MESIC MIXED GRASSLAND	322			9	1	8		
02/28/94	1503	MULE DEER	ODHE1	BZ	RW01A		7	O	5	0	2	MESIC MIXED GRASSLAND	322			20	3	12	5	
02/28/94	1515	MULE DEER	ODHE1	BZ	RW01A		7	K	5		2	MESIC MIXED GRASSLAND	322			13	1	8	4	
02/28/94	1027	MULE DEER	ODHE1	BZ	RW02B		4	O	5		2	MESIC MIXED GRASSLAND	322			20	3			
02/28/94	910	MULE DEER	ODHE1	BZ		OU11	9	E	1		2	MESIC MIXED GRASSLAND	322			13				

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																725	130	307	134	154
03/04/94	740	MULE DEER	ODHE1	BZ			8	Q	5		2	MESIC MIXED GRASSLAND	322			21	2	12	5	2
03/04/94	648	MULE DEER	ODHE1	BZ			11	F	5	1	2	MESIC MIXED GRASSLAND	322			4		4		
03/04/94	703	MULE DEER	ODHE1	BZ			16	M	0		2	MESIC MIXED GRASSLAND	322			16		13	3	
03/04/94	651	MULE DEER	ODHE1	BZ			13	F	0	0	2	MESIC MIXED GRASSLAND	322			1	1			
03/04/94	734	MULE DEER	ODHE1	BZ			14	T	5	0	2	MESIC MIXED GRASSLAND	322			13	1			12
03/04/94	755	MULE DEER	ODHE1	BZ			6	Q	5		2	MESIC MIXED GRASSLAND	322			54	2	13	7	32
03/04/94	659	MULE DEER	ODHE1	BZ			17	K	5	1	2	MESIC MIXED GRASSLAND	322			17		11	6	
03/04/94	645	MULE DEER	ODHE1	BZ		OU11	9	F	5	12	2	MESIC MIXED GRASSLAND	322			16		10	6	
03/18/94	1541	MULE DEER	ODHE1	BZ			15	N	5		2	MESIC MIXED GRASSLAND	322			16		13	3	
03/18/94	1525	MULE DEER	ODHE1	BZ			13	G	5		2	MESIC MIXED GRASSLAND	322			1				1
03/18/94	1459	MULE DEER	ODHE1	BZ			5	M	1		2	MESIC MIXED GRASSLAND	322			4	4			
03/18/94	1534	MULE DEER	ODHE1	BZ			15	I	5		2	MESIC MIXED GRASSLAND	322			8		6	2	
03/18/94	1240	MULE DEER	ODHE1	BZ			16	I	5	0	2	MESIC MIXED GRASSLAND	322			37				37
03/18/94	1450	MULE DEER	ODHE1	BZ			2	K	5	0	2	MESIC MIXED GRASSLAND	322			20				20
03/18/94	1538	MULE DEER	ODHE1	BZ		OU6&7	13	L	5		2	MESIC MIXED GRASSLAND	322			6				6
03/21/94	1529	MULE DEER	ODHE1	BZ	RA02A	OU5	7	I	5		2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	14	1		3	10
03/22/94	715	MULE DEER	ODHE1	BZ	BX01L		12	G	5	1	2	MESIC MIXED GRASSLAND	322			3				3
03/22/94	821	MULE DEER	ODHE1	BZ	RA01B		5	J	5		2	MESIC MIXED GRASSLAND	322			10	2			8
03/24/94	1146	MULE DEER	ODHE1	BZ	RG02B		15	M	5		2	MESIC MIXED GRASSLAND	322			2	2			
03/24/94	1158	MULE DEER	ODHE1	BZ			15	P	0		2	MESIC MIXED GRASSLAND	322			10				10
03/24/94	935	MULE DEER	ODHE1	BZ			15	O	0		2	MESIC MIXED GRASSLAND	322			11	3	6	1	1
03/25/94	730	MULE DEER	ODHE1	BZ			12	L	5		2	MESIC MIXED GRASSLAND	322			6				6
03/25/94	734	MULE DEER	ODHE1	BZ			15	N	1		2	MESIC MIXED GRASSLAND	322			1	1			
03/25/94	735	MULE DEER	ODHE1	BZ	TR04		16	P	1		2	MESIC MIXED GRASSLAND	322			8	1			7
03/25/94	1050	MULE DEER	ODHE1	BZ	BW01R		17	L	1	5	2	MESIC MIXED GRASSLAND	322			16		11	5	
03/25/94	800	MULE DEER	ODHE1	BZ	BW01R		7	K	5	1	2	MESIC MIXED GRASSLAND	322			15				15
04/04/94	850	MULE DEER	ODHE1	BZ	BW01B		14	R	0		2	MESIC MIXED GRASSLAND	322			8				8
04/18/94	730	MULE DEER	ODHE1	BZ	BS02B		14	F	5		2	MESIC MIXED GRASSLAND	322			3		2	1	
04/26/94	700	MULE DEER	ODHE1	BZ		OU6&7	12	J	1		2	MESIC MIXED GRASSLAND	322			15				15
04/29/94	1403	MULE DEER	ODHE1	BZ	RA01B		12	F	1		2	MESIC MIXED GRASSLAND	322			8			2	6
05/04/94	735	MULE DEER	ODHE1	BZ	BG02A		8	N	1	5	2	MESIC MIXED GRASSLAND	322			16				16
05/04/94	1430	MULE DEER	ODHE1	BZ			14	P	5	0	2	MESIC MIXED GRASSLAND	322			13	2	7	4	
05/16/94	750	MULE DEER	ODHE1	BZ	BW01R		16	J	1		2	MESIC MIXED GRASSLAND	322			11		6	5	
05/16/94	840	MULE DEER	ODHE1	BZ			12	S	1		2	MESIC MIXED GRASSLAND	322			8				8
05/18/94	738	MULE DEER	ODHE1	BZ	POND A-3	OU6	12	P	1	5	2	MESIC MIXED GRASSLAND	322			3				3
05/18/94	650	MULE DEER	ODHE1	BZ			11	E	1		2	MESIC MIXED GRASSLAND	322			5				5
05/20/94	948	MULE DEER	ODHE1	BZ	POND A-3	OU6	12	P	1		2	MESIC MIXED GRASSLAND	322			3		3		
05/20/94	1008	MULE DEER	ODHE1	BZ	POND B-5	OU6	11	Q	1		2	MESIC MIXED GRASSLAND	322			4		4		

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/20/94	836	MULE DEER	ODHE1	BZ			4	K	1		2	MESIC MIXED GRASSLAND	322			11	5	5	1	
05/20/94	934	MULE DEER	ODHE1	BZ		OU6&7	12	K	1		2	MESIC MIXED GRASSLAND	322			5	2	3		
05/24/94	734	MULE DEER	ODHE1	BZ	RW01A		7	N	0		2	MESIC MIXED GRASSLAND	322			4	2	2		
05/24/94	720	MULE DEER	ODHE1	BZ	RW01A		7	O	1	5	2	MESIC MIXED GRASSLAND	322			11		11		
05/24/94	1120	MULE DEER	ODHE1	BZ		OU1	8	L	0		2	MESIC MIXED GRASSLAND	322			2				2
05/26/94	851	MULE DEER	ODHE1	BZ	RG03B		3	N	0		2	MESIC MIXED GRASSLAND	322			14	3	7	4	
05/26/94	700	MULE DEER	ODHE1	BZ	RS02B		15	K	1	5	2	MESIC MIXED GRASSLAND	322			4	1	3		
05/26/94	846	MULE DEER	ODHE1	BZ	RW01B		15	Q	1		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	4	4			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																482	39	152	58	233
06/01/94	1521	MULE DEER	ODHE1	BZ			11	F	0		2	MESIC MIXED GRASSLAND	322			2		2		
06/01/94	1602	MULE DEER	ODHE1	BZ			10	G	0		2	MESIC MIXED GRASSLAND	322			2		2		
06/07/94	730	MULE DEER	ODHE1	BZ	BG01R		15	M	5		2	MESIC MIXED GRASSLAND	322			1		1		
06/08/94	820	MULE DEER	ODHE1	BZ	BG01B		4	G	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/09/94	630	MULE DEER	ODHE1	BZ	BD03B		2	R	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/10/94	840	MULE DEER	ODHE1	BZ	RA03B		6	I	1		2	MESIC MIXED GRASSLAND	322			4	2	2		
06/13/94	1420	MULE DEER	ODHE1	BZ			5	Q	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/13/94	1513	MULE DEER	ODHE1	BZ		OU5	7	G	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/14/94	620	MULE DEER	ODHE1	BZ	POND B-1	OU6	10	O	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/15/94	734	MULE DEER	ODHE1	BZ			7	K	12		2	MESIC MIXED GRASSLAND	322			2		1	1	
06/16/94	1526	MULE DEER	ODHE1	BZ	RG03B		2	M	1		2	MESIC MIXED GRASSLAND	322			2	2			
06/16/94	1547	MULE DEER	ODHE1	BZ	RG03B		5	P	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/16/94	1529	MULE DEER	ODHE1	BZ	RG03B		2	M	1		2	MESIC MIXED GRASSLAND	322			1	1			
06/16/94	1541	MULE DEER	ODHE1	BZ	RG03B		3	N	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/20/94	1230	MULE DEER	ODHE1	BZ	POND B-5	OU6	11	Q	1	5	2	MESIC MIXED GRASSLAND	322			5	5			
06/20/94	1281	MULE DEER	ODHE1	BZ	RG02B		16	O	0		2	MESIC MIXED GRASSLAND	322			1		1		
06/21/94	948	MULE DEER	ODHE1	BZ	RS01B		14	G	0		2	MESIC MIXED GRASSLAND	322			2		2		
06/22/94	710	MULE DEER	ODHE1	BZ	BG01R		15	O	5		2	MESIC MIXED GRASSLAND	322			2	2			
06/22/94	635	MULE DEER	ODHE1	BZ	POND A-2	OU6	12	O	1		2	MESIC MIXED GRASSLAND	322			1	1			
06/22/94	959	MULE DEER	ODHE1	BZ	POND A-4	OU6	12	P	0		2	MESIC MIXED GRASSLAND	322			1		1		
06/23/94	630	MULE DEER	ODHE1	BZ	881 HILL	OU1	8	M	1		2	MESIC MIXED GRASSLAND	322			3	3			
06/23/94	700	MULE DEER	ODHE1	BZ	BA01B		5	I	0		2	MESIC MIXED GRASSLAND	322			3	2	1		
06/23/94	940	MULE DEER	ODHE1	BZ	POND A-1	OU6	11	N	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/23/94	835	MULE DEER	ODHE1	BZ	SID		7	L	1		2	MESIC MIXED GRASSLAND	322			2		1	1	
06/23/94	747	MULE DEER	ODHE1	BZ			7	L	1		2	MESIC MIXED GRASSLAND	322			4	2	2		
06/23/94	840	MULE DEER	ODHE1	BZ			13	G	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/23/94	915	MULE DEER	ODHE1	BZ			11	F	1		2	MESIC MIXED GRASSLAND	322			3		1	2	
06/23/94	930	MULE DEER	ODHE1	BZ			15	P	1		2	MESIC MIXED GRASSLAND	322			1	1			
06/23/94	640	MULE DEER	ODHE1	BZ			5	H	1		2	MESIC MIXED GRASSLAND	322			1			1	
06/24/94	634	MULE DEER	ODHE1	BZ	POND A-2	OU6	12	O	1		2	MESIC MIXED GRASSLAND	322			1	1			

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
06/24/94	1250	MULE DEER	ODHE1	BZ	RA01B		12	G	1		2	MESIC MIXED GRASSLAND	322			1		1		
06/27/94	855	MULE DEER	ODHE1	BZ	BX01B		13	G	0		2	MESIC MIXED GRASSLAND	322			1	1			
06/29/94	748	MULE DEER	ODHE1	BZ	BW01R		15	I	0		2	MESIC MIXED GRASSLAND	322			1		1		
06/29/94	640	MULE DEER	ODHE1	BZ	POND A-1	OU6	11	M	1		2	MESIC MIXED GRASSLAND	322			3	1		2	
06/29/94	657	MULE DEER	ODHE1	BZ			17	K	0		2	MESIC MIXED GRASSLAND	322			4	4			
07/01/94	1005	MULE DEER	ODHE1	BZ	LINDSAY		13	G	1		2	MESIC MIXED GRASSLAND	322			1	1			
07/01/94	900	MULE DEER	ODHE1	BZ			7	E	1		2	MESIC MIXED GRASSLAND	322			2	2			
07/13/94	850	MULE DEER	ODHE1	BZ	BA01B		5	J	1		2	MESIC MIXED GRASSLAND	322			2	1		1	
07/13/94	850	MULE DEER	ODHE1	BZ	BA01B		5	I	5		2	MESIC MIXED GRASSLAND	322			1			1	
07/13/94	900	MULE DEER	ODHE1	BZ	BA01B		5	K	0		2	MESIC MIXED GRASSLAND	322			1	1			
07/13/94	900	MULE DEER	ODHE1	BZ	BA01B		6	K	0		2	MESIC MIXED GRASSLAND	322			1	1			
07/13/94	850	MULE DEER	ODHE1	BZ	BA01B		5	J	5		2	MESIC MIXED GRASSLAND	322			1	1			
07/13/94	632	MULE DEER	ODHE1	BZ	SID		8	P	11		2	MESIC MIXED GRASSLAND	322	TALL MARSH	30	1			1	
07/14/94	940	MULE DEER	ODHE1	BZ	BA01R		12	G	1		2	MESIC MIXED GRASSLAND	322			2	1		1	
07/14/94	940	MULE DEER	ODHE1	BZ	BA01R		12	F	1		2	MESIC MIXED GRASSLAND	322			2	1		1	
07/14/94	845	MULE DEER	ODHE1	BZ	BS02B		14	J	0		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	2	2			
07/19/94	610	MULE DEER	ODHE1	BZ			7	K	1		2	MESIC MIXED GRASSLAND	322			1			1	
07/20/94	700	MULE DEER	ODHE1	BZ	BG02A		7	M	1		2	MESIC MIXED GRASSLAND	322			2			1	1
07/20/94	718	MULE DEER	ODHE1	BZ	BG02A	OU5	7	J	1		2	MESIC MIXED GRASSLAND	322			6			2	4
07/20/94	718	MULE DEER	ODHE1	BZ	BG02A		7	K	5		2	MESIC MIXED GRASSLAND	322			6			2	4
07/20/94	700	MULE DEER	ODHE1	BZ	BG02A	OU1	7	M	1		2	MESIC MIXED GRASSLAND	322			2			1	1
07/20/94	1205	MULE DEER	ODHE1	BZ			7	K	1		2	MESIC MIXED GRASSLAND	322			1			1	
07/20/94	1215	MULE DEER	ODHE1	BZ			14	F	0		2	MESIC MIXED GRASSLAND	322			15	3		7	5
07/20/94	1210	MULE DEER	ODHE1	BZ			13	H	1		2	MESIC MIXED GRASSLAND	322			1			1	
07/20/94	1210	MULE DEER	ODHE1	BZ			12	F	1		2	MESIC MIXED GRASSLAND	322			4			4	
07/20/94	1215	MULE DEER	ODHE1	BZ			14	G	1		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	4	2		2	
07/25/94	645	MULE DEER	ODHE1	BZ	TR-10		4	L	1		2	MESIC MIXED GRASSLAND	322			3	3			
07/26/94	1430	MULE DEER	ODHE1	BZ	RG02B		15	O	1		2	MESIC MIXED GRASSLAND	322			2	2			
07/26/94	1430	MULE DEER	ODHE1	BZ	RG02B		15	Q	1		2	MESIC MIXED GRASSLAND	322			7	7			
07/26/94	1430	MULE DEER	ODHE1	BZ	RG02B		15	O	0		2	MESIC MIXED GRASSLAND	322			1			1	
07/26/94	630	MULE DEER	ODHE1	BZ			15	G	7	5	2	MESIC MIXED GRASSLAND	322			3			1	2
07/26/94	630	MULE DEER	ODHE1	BZ			16	L	5		2	MESIC MIXED GRASSLAND	322			3	3			
07/26/94	630	MULE DEER	ODHE1	BZ			14	G	5		2	MESIC MIXED GRASSLAND	322			1			1	
07/26/94	703	MULE DEER	ODHE1	BZ	RW01A		7	O	1		2	MESIC MIXED GRASSLAND	322			2			2	
07/28/94	732	MULE DEER	ODHE1	BZ	RW03B	OU5	7	J	1	5	2	MESIC MIXED GRASSLAND	322			5	4		1	
08/04/94	912	MULE DEER	ODHE1	BZ	BA01A		7	K	5		2	MESIC MIXED GRASSLAND	322			3			1	2
08/04/94	830	MULE DEER	ODHE1	BZ	BW01A		7	L	5		2	MESIC MIXED GRASSLAND	322			1			1	
08/04/94	820	MULE DEER	ODHE1	BZ	BW01A		7	N	5		2	MESIC MIXED GRASSLAND	322			2			2	
08/04/94	830	MULE DEER	ODHE1	BZ	BW01A		7	L	0		2	MESIC MIXED GRASSLAND	322			2				2

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08/05/94	700	MULE DEER	ODHE1	BZ	BS01B		14	G	1	2		MESIC MIXED GRASSLAND	322			1	1				
08/05/94	1040	MULE DEER	ODHE1	BZ			15	L	1	2		MESIC MIXED GRASSLAND	322			8	7	1			
08/05/94	640	MULE DEER	ODHE1	BZ			13	G	1	2		MESIC MIXED GRASSLAND	322			4		3	1		
08/05/94	935	MULE DEER	ODHE1	BZ			16	K	1	2		MESIC MIXED GRASSLAND	322			1	1				
08/05/94	640	MULE DEER	ODHE1	BZ			13	F	1	2		MESIC MIXED GRASSLAND	322			10	6	4			
08/09/94	2313	MULE DEER	ODHE1	BZ			11	F	1	5	4	MESIC MIXED GRASSLAND	322			2	2				
08/09/94	2244	MULE DEER	ODHE1	BZ			17	K	5	1	4	MESIC MIXED GRASSLAND	322			6	6				
08/09/94	2103	MULE DEER	ODHE1	BZ			5	P	5	4		MESIC MIXED GRASSLAND	322			2		1	1		
08/09/94	2000	MULE DEER	ODHE1	BZ			5	S	5	4		MESIC MIXED GRASSLAND	322			5		4	1		
08/09/94	2236	MULE DEER	ODHE1	BZ			14	L	1	5	4	MESIC MIXED GRASSLAND	322			2	2				
08/09/94	2200	MULE DEER	ODHE1	BZ			11	F	5	1	4	MESIC MIXED GRASSLAND	322			4	2	2			
08/09/94	2214	MULE DEER	ODHE1	BZ			14	F	5	1	4	MESIC MIXED GRASSLAND	322			1					
08/09/94	1956	MULE DEER	ODHE1	BZ			6	S	5	4		MESIC MIXED GRASSLAND	322			5	5				
08/09/94	2220	MULE DEER	ODHE1	BZ			15	F	1	5	4	MESIC MIXED GRASSLAND	322			2		2			
08/09/94	2211	MULE DEER	ODHE1	BZ			14	G	5	1	4	MESIC MIXED GRASSLAND	322			3	2				
08/09/94	1955	MULE DEER	ODHE1	BZ			5	R	5	1	4	MESIC MIXED GRASSLAND	322			3		2	1		
08/09/94	2205	MULE DEER	ODHE1	BZ			12	F	5	1	4	MESIC MIXED GRASSLAND	322			5	3	2			
08/09/94	2100	MULE DEER	ODHE1	BZ			5	P	5	4		MESIC MIXED GRASSLAND	322			1		1			
08/09/94	2338	MULE DEER	ODHE1	BZ			OU2	10	O	1	5	4	MESIC MIXED GRASSLAND	322			2		1	1	
08/09/94	2346	MULE DEER	ODHE1	BZ			OU2	10	O	1	5	4	MESIC MIXED GRASSLAND	322			1				
08/15/94	737	MULE DEER	ODHE1	BZ	RG01A		OU5	7	G	1	2	MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			6	Q	5	1	4	MESIC MIXED GRASSLAND	322			3		3			
08/16/94		MULE DEER	ODHE1	BZ			13	G	5	1	4	MESIC MIXED GRASSLAND	322			6		6			
08/16/94	2000	MULE DEER	ODHE1	BZ			10	Q	1	5	4	MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			8	N	0	4		MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			11	S	1	5	4	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	1	1				
08/16/94		MULE DEER	ODHE1	BZ			11	S	1	5	4	MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			14	H	5	1	4	MESIC MIXED GRASSLAND	322			1					
08/16/94		MULE DEER	ODHE1	BZ			5	U	5	1	4	MESIC MIXED GRASSLAND	322			8		4	4		
08/16/94		MULE DEER	ODHE1	BZ			10	T	1	5	4	MESIC MIXED GRASSLAND	322			2	2				
08/16/94		MULE DEER	ODHE1	BZ			17	K	1	4		MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	1					
08/16/94		MULE DEER	ODHE1	BZ			4	J	5	1	4	MESIC MIXED GRASSLAND	322			2		1	1		
08/16/94		MULE DEER	ODHE1	BZ			6	M	5	1	4	MESIC MIXED GRASSLAND	322			5		4	1		
08/16/94		MULE DEER	ODHE1	BZ			4	O	5	1	4	MESIC MIXED GRASSLAND	322			2		2			
08/16/94		MULE DEER	ODHE1	BZ			4	H	5	1	4	MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			11	F	1	4		MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			3	O	5	1	4	MESIC MIXED GRASSLAND	322			1		1			
08/16/94		MULE DEER	ODHE1	BZ			OU5	7	J	5	1	4	MESIC MIXED GRASSLAND	322			2		2		
08/16/94		MULE DEER	ODHE1	BZ			OU2	10	O	5	1	4	MESIC MIXED GRASSLAND	322			2	2			

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
08/16/94		MULE DEER	ODHE1	BZ		OU2	10	O	5	1	4	MESIC MIXED GRASSLAND	322			1		1		
08/16/94		MULE DEER	ODHE1	BZ		OU2	10	O	5	1	4	MESIC MIXED GRASSLAND	322			7		6	1	
08/16/94		MULE DEER	ODHE1	BZ		OU2	10	O	5	1	4	MESIC MIXED GRASSLAND	322			3	3			
08/16/94		MULE DEER	ODHE1	BZ		OU6	11	O	5	1	4	MESIC MIXED GRASSLAND	322			1		1		
08/16/94		MULE DEER	ODHE1	BZ		OU6	11	N	5	1	4	MESIC MIXED GRASSLAND	322			2		2		
08/16/94		MULE DEER	ODHE1	BZ		OU6&7	13	L	5	1	4	MESIC MIXED GRASSLAND	322			2	2			
08/17/94	1930	MULE DEER	ODHE1	BZ			11	E	1	5	3	MESIC MIXED GRASSLAND	322			4		2	2	
08/17/94	1800	MULE DEER	ODHE1	BZ			8	S	5	0	3	MESIC MIXED GRASSLAND	322			5				5
08/17/94	1945	MULE DEER	ODHE1	BZ			13	G	1	5	3	MESIC MIXED GRASSLAND	322			9	1			8
08/17/94	1805	MULE DEER	ODHE1	BZ			5	U	1		3	MESIC MIXED GRASSLAND	322			1				1
08/19/94	830	MULE DEER	ODHE1	BZ		OU6&7	12	J	1		2	MESIC MIXED GRASSLAND	322			8	8			
08/23/94		MULE DEER	ODHE1	BZ	BG01B		4	G	1		2	MESIC MIXED GRASSLAND	322			6	6			
08/23/94	950	MULE DEER	ODHE1	BZ			10	D	0		2	MESIC MIXED GRASSLAND	322			4	1	3		
08/23/94	918	MULE DEER	ODHE1	BZ			3	G	1		2	MESIC MIXED GRASSLAND	322			1	1			
08/23/94	715	MULE DEER	ODHE1	BZ			7	F	1		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	4		4		
08/24/94	756	MULE DEER	ODHE1	BZ	RA02B	OU6	12	O	1	5	2	MESIC MIXED GRASSLAND	322			6	1	4	1	
08/24/94	1420	MULE DEER	ODHE1	BZ	RG02B		15	N	1		2	MESIC MIXED GRASSLAND	322			8	4	3	1	
08/24/94		MULE DEER	ODHE1	BZ		OU6	13	Q	1		2	MESIC MIXED GRASSLAND	322			4	4			
08/30/94	650	MULE DEER	ODHE1	BZ	RG03B		2	M	1		2	MESIC MIXED GRASSLAND	322			4	1	3		
08/30/94	645	MULE DEER	ODHE1	BZ			4	P	1		2	MESIC MIXED GRASSLAND	322			5	5			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																351	142	148	42	19
09/22/94	745	MULE DEER	ODHE1	BZ	BG01R		15	Q	1		2	MESIC MIXED GRASSLAND	322			5	2	3		
09/29/94	748	MULE DEER	ODHE1	BZ	RW02B		5	O	1		2	MESIC MIXED GRASSLAND	322			2		1	1	
09/29/94	815	MULE DEER	ODHE1	BZ	RW02B		4	M	5		2	MESIC MIXED GRASSLAND	322			3	1	1	1	
09/29/94	813	MULE DEER	ODHE1	BZ			4	K	0		2	MESIC MIXED GRASSLAND	322			1	1			
09/29/94	813	MULE DEER	ODHE1	BZ			4	K	5		2	MESIC MIXED GRASSLAND	322			6	1	4	1	
09/29/94	813	MULE DEER	ODHE1	BZ			4	K	1		2	MESIC MIXED GRASSLAND	322			2	2			
10/06/94	740	MULE DEER	ODHE1	BZ			14	P	1		2	MESIC MIXED GRASSLAND	322			5	5			
10/12/94	810	MULE DEER	ODHE1	BZ	BA01R		13	G	5		2	MESIC MIXED GRASSLAND	322			5		5		
10/12/94	1138	MULE DEER	ODHE1	BZ			15	L	0		2	MESIC MIXED GRASSLAND	322			23				29
10/14/94	905	MULE DEER	ODHE1	BZ	BG02B		10	D	0	5	2	MESIC MIXED GRASSLAND	322			6	2	4		
10/14/94	745	MULE DEER	ODHE1	BZ	BS01B		14	H	5		2	MESIC MIXED GRASSLAND	322			3		2	1	
10/14/94	1039	MULE DEER	ODHE1	BZ			6	T	1		2	MESIC MIXED GRASSLAND	322			8	5	2	1	
10/14/94	832	MULE DEER	ODHE1	BZ			10	G	5		2	MESIC MIXED GRASSLAND	322			2		1	1	
10/19/94	915	MULE DEER	ODHE1	BZ			11	G	0	5	2	MESIC MIXED GRASSLAND	322			6		5	1	
10/19/94	715	MULE DEER	ODHE1	BZ		OU11	9	G	0	5	2	MESIC MIXED GRASSLAND	322			7	1	6		
10/19/94	915	MULE DEER	ODHE1	BZ		OU6	12	N	0		2	MESIC MIXED GRASSLAND	322			3		2	1	
10/20/94	800	MULE DEER	ODHE1	BZ			14	O	1		2	MESIC MIXED GRASSLAND	322			2	2			
10/25/94	954	MULE DEER	ODHE1	BZ	BG01R		15	P	0		2	MESIC MIXED GRASSLAND	322			4	4			

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TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
10/26/94	1050	MULE DEER	ODHE1	BZ	RG03B		2	K	1		2	MESIC MIXED GRASSLAND	322			2	2			
10/26/94	950	MULE DEER	ODHE1	BZ	RW02B		5	P	1	5	2	MESIC MIXED GRASSLAND	322			13		9	4	
10/28/94	1021	MULE DEER	ODHE1	BZ			9	R	5	0	2	MESIC MIXED GRASSLAND	322			5	3	2		
10/28/94	901	MULE DEER	ODHE1	BZ			2	H	1		2	MESIC MIXED GRASSLAND	322			6	1	2	3	
10/28/94	734	MULE DEER	ODHE1	BZ			17	L	1		2	MESIC MIXED GRASSLAND	322			1	1			
10/28/94	724	MULE DEER	ODHE1	BZ			12	R	1		2	MESIC MIXED GRASSLAND	322			3	1	2		
10/28/94	1008	MULE DEER	ODHE1	BZ			7	N	0		2	MESIC MIXED GRASSLAND	322			3		2	1	
10/28/94	901	MULE DEER	ODHE1	BZ			4	H	5		2	MESIC MIXED GRASSLAND	322			1	1			
10/28/94	734	MULE DEER	ODHE1	BZ			15	P	1		2	MESIC MIXED GRASSLAND	322			2		2		
10/28/94	734	MULE DEER	ODHE1	BZ			12	D	0	5	2	MESIC MIXED GRASSLAND	322			15	3			1
10/28/94	827	MULE DEER	ODHE1	BZ			14	H	1		2	MESIC MIXED GRASSLAND	322			1	1			
10/28/94	950	MULE DEER	ODHE1	BZ			5	I	0		2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	4		2	2	
10/28/94	950	MULE DEER	ODHE1	BZ			6	I	0		2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	3		2	1	
10/28/94	940	MULE DEER	ODHE1	BZ			5	Q	5		2	MESIC MIXED GRASSLAND	322			4		3	1	
10/28/94	846	MULE DEER	ODHE1	BZ		OU11	8	F	5		2	MESIC MIXED GRASSLAND	322			10		6	4	
10/28/94	734	MULE DEER	ODHE1	BZ		OU6	12	N	1		2	MESIC MIXED GRASSLAND	322			10		6	4	
10/28/94	734	MULE DEER	ODHE1	BZ		OU7	13	K	1		2	MESIC MIXED GRASSLAND	322			4		2	2	
10/31/94	1308	MULE DEER	ODHE1	BZ			6	S	5		2	MESIC MIXED GRASSLAND	322			3		1	2	
11/14/94	807	MULE DEER	ODHE1	BZ	BW01A		7	K	1		2	MESIC MIXED GRASSLAND	322			4		2	2	
11/14/94	1420	MULE DEER	ODHE1	BZ	RA02A		10	O	5		2	MESIC MIXED GRASSLAND	322			2		1	1	
11/14/94	1354	MULE DEER	ODHE1	BZ	RA02B	OU6	11	P	5	0	2	MESIC MIXED GRASSLAND	322			18	5	8	5	
11/14/94	1305	MULE DEER	ODHE1	BZ	RA02B	OU6	11	M	1		2	MESIC MIXED GRASSLAND	322			11	1	6	4	
11/14/94	715	MULE DEER	ODHE1	BZ			8	N	5		2	MESIC MIXED GRASSLAND	322			5		2	3	
11/14/94	700	MULE DEER	ODHE1	BZ			6	I	5	6	2	MESIC MIXED GRASSLAND	322			18	2	10	6	
11/15/94	720	MULE DEER	ODHE1	BZ			11	G	5	0	2	MESIC MIXED GRASSLAND	322			3		2	1	
11/15/94	834	MULE DEER	ODHE1	BZ			13	F	1		2	MESIC MIXED GRASSLAND	322			12	1	7	4	
11/15/94	723	MULE DEER	ODHE1	BZ			13	G	5	0	2	MESIC MIXED GRASSLAND	322			2	1	3		
11/15/94	720	MULE DEER	ODHE1	BZ			10	G	5	6	2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210	6	1	4	1	
11/15/94	728	MULE DEER	ODHE1	BZ			13	F	1		2	MESIC MIXED GRASSLAND	322			1	1			
11/18/94	1405	MULE DEER	ODHE1	BZ	RG02A	OU5	7	H	5		2	MESIC MIXED GRASSLAND	322			4		2	2	
11/18/94	1330	MULE DEER	ODHE1	BZ	RW03B	OU5	7	H	5	0	2	MESIC MIXED GRASSLAND	322			6		4	2	
11/21/94	755	MULE DEER	ODHE1	BZ	RA01B		13	H	1	0	2	MESIC MIXED GRASSLAND	322			8	1	4	3	
11/21/94	1432	MULE DEER	ODHE1	BZ	RS01B		13	F	1		2	MESIC MIXED GRASSLAND	322			6		2	2	
11/21/94	1545	MULE DEER	ODHE1	BZ		OU2	10	O	5	0	2	MESIC MIXED GRASSLAND	322			21				
11/22/94	1511	MULE DEER	ODHE1	BZ			8	N	5	6	2	MESIC MIXED GRASSLAND	322			2	1	1		
11/22/94	928	MULE DEER	ODHE1	BZ			10	H	5		2	MESIC MIXED GRASSLAND	322			3		3		
11/22/94	1420	MULE DEER	ODHE1	BZ			7	I	5		2	MESIC MIXED GRASSLAND	322			2	1	1		
11/22/94	1511	MULE DEER	ODHE1	BZ			8	P	0		2	MESIC MIXED GRASSLAND	322			2		1	1	
11/22/94	1550	MULE DEER	ODHE1	BZ			8	N	0		2	MESIC MIXED GRASSLAND	322			10	2	8		

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TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	SPECIES	SPEC CODE	ADMIN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY/NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
11/22/94	MULE DEER	ODHE1	BZ			5 I	5	5	2	2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	5	2	3		
11/22/94	MULE DEER	ODHE1	BZ			8 Q	5	5	6	2	MESIC MIXED GRASSLAND	322			8	1		2	5
11/22/94	MULE DEER	ODHE1	BZ			7 M	1	1		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210	1	1			
11/22/94	MULE DEER	ODHE1	BZ		OU5	7 J	5	5	6	2	MESIC MIXED GRASSLAND	322			8	1	5	2	2
11/22/94	MULE DEER	ODHE1	BZ		OU2	9 O	5	5	2	2	MESIC MIXED GRASSLAND	322			3		1	2	2
11/22/94	MULE DEER	ODHE1	BZ		OU2	10 O	0	0	2	2	MESIC MIXED GRASSLAND	322			5	1	2	2	2
11/22/94	MULE DEER	ODHE1	BZ		OU5	6 N	0	0	2	2	MESIC MIXED GRASSLAND	322			1	1		2	2
11/22/94	MULE DEER	ODHE1	BZ		OU5	7 J	5	5	2	2	MESIC MIXED GRASSLAND	322			4			2	2
11/22/94	MULE DEER	ODHE1	BZ		OU6	12 P	5	5	6	2	MESIC MIXED GRASSLAND	322			11	3	5	3	3
11/22/94	MULE DEER	ODHE1	BZ		OU6&7	12 J	0	0	2	2	MESIC MIXED GRASSLAND	322			1	1		2	2
11/23/94	MULE DEER	ODHE1	BZ	RG03B		5 R	0	0	2	2	MESIC MIXED GRASSLAND	322			6		4	2	
11/23/94	MULE DEER	ODHE1	BZ	RG03B		5 R	6	5	2	2	MESIC MIXED GRASSLAND	322			2	1	1		
11/23/94	MULE DEER	ODHE1	BZ			3 F	1	1	2	2	MESIC MIXED GRASSLAND	322			3	1	2		
11/23/94	MULE DEER	ODHE1	BZ			7 F	1	1	2	2	MESIC MIXED GRASSLAND	322			3		3		
11/23/94	MULE DEER	ODHE1	BZ			5 I	5	5	2	2	MESIC MIXED GRASSLAND	322			11	3	4	4	4
11/23/94	MULE DEER	ODHE1	BZ			6 G	5	0	2	2	MESIC MIXED GRASSLAND	322			3	2	1		
11/23/94	MULE DEER	ODHE1	BZ			4 M	0	0	2	2	MESIC MIXED GRASSLAND	322			5		3	2	
11/28/94	MULE DEER	ODHE1	BZ			15 H	5	5	2	2	MESIC MIXED GRASSLAND	322			7	2	3	2	2
11/28/94	MULE DEER	ODHE1	BZ			6 F	5	5	6	2	MESIC MIXED GRASSLAND	322			12	3	4	5	5
11/28/94	MULE DEER	ODHE1	BZ			15 N	0	0	2	2	MESIC MIXED GRASSLAND	322			3		3		
11/28/94	MULE DEER	ODHE1	BZ			14 O	5	5	2	2	MESIC MIXED GRASSLAND	322			2	2			
11/28/94	MULE DEER	ODHE1	BZ			6 P	0	0	2	2	MESIC MIXED GRASSLAND	322			9	1	4	4	4
11/28/94	MULE DEER	ODHE1	BZ			14 F	5	5	2	2	MESIC MIXED GRASSLAND	322			1		1		
11/28/94	MULE DEER	ODHE1	BZ			14 G	0	0	2	2	MESIC MIXED GRASSLAND	322			1		1		
11/28/94	MULE DEER	ODHE1	BZ			5 P	5	5	6	2	MESIC MIXED GRASSLAND	322			9	3	4	2	2
11/28/94	MULE DEER	ODHE1	BZ			4 Q	5	5	2	2	MESIC MIXED GRASSLAND	322			8	1	3	1	3
11/28/94	MULE DEER	ODHE1	BZ			13 F	0	0	2	2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	6		5	1	3
11/28/94	MULE DEER	ODHE1	BZ			4 N	5	5	2	2	MESIC MIXED GRASSLAND	322			4		3	1	1
11/28/94	MULE DEER	ODHE1	BZ			8 O	1	1	2	2	MESIC MIXED GRASSLAND	322			2	1	1		
11/28/94	MULE DEER	ODHE1	BZ			5 I	0	0	2	2	MESIC MIXED GRASSLAND	322			5	1	3	1	1
11/28/94	MULE DEER	ODHE1	BZ			6 K	1	1	2	2	MESIC MIXED GRASSLAND	322			1	1			
11/28/94	MULE DEER	ODHE1	BZ		OU10	11 K	5	5	2	2	MESIC MIXED GRASSLAND	322			4		1	3	3
11/28/94	MULE DEER	ODHE1	BZ		OU6	12 N	0	0	2	2	MESIC MIXED GRASSLAND	322			5				
11/28/94	MULE DEER	ODHE1	BZ		OU6	12 P	5	5	6	2	MESIC MIXED GRASSLAND	322			15	1	10	4	4
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																			
12/06/94	MULE DEER	ODHE1	BZ			13 F	5	5	2	2	XERIC MIXED GRASSLAND	323			6		5	1	1
12/20/94	MULE DEER	ODHE1	BZ			14 K	5	5	2	2	XERIC MIXED GRASSLAND	323			25	1	12	12	12
02/24/94	MULE DEER	ODHE1	BZ	BS02B		14 J	1	5	2	2	XERIC MIXED GRASSLAND	323			17		10	7	7

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DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																48	1	27	20	
03/18/94	1542	MULE DEER	ODHE1	BZ			15	N	5		2	XERIC MIXED GRASSLAND	323			24	4	13	7	
03/25/94	731	MULE DEER	ODHE1	BZ			13	L	5		2	XERIC MIXED GRASSLAND	323			15				1
04/13/94	730	MULE DEER	ODHE1	BZ	BW01R		7	L	1		2	XERIC MIXED GRASSLAND	323			2	1	1		
05/03/94	700	MULE DEER	ODHE1	BZ	TR-06		10	R	1	5	2	XERIC MIXED GRASSLAND	323			14	4	6	4	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																55	9	20	11	1
07/18/94	620	MULE DEER	ODHE1	BZ	BX01A	OU1	8	L	1		2	XERIC MIXED GRASSLAND	323			3		1	2	
08/16/94		MULE DEER	ODHE1	BZ			14	J	5	1	4	XERIC MIXED GRASSLAND	323			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																4	1	1	2	
09/20/94	1350	MULE DEER	ODHE1	BZ	RG02B		15	N	1		2	XERIC MIXED GRASSLAND	323			2	2			
10/10/94	1530	MULE DEER	ODHE1	BZ			12	F	5		2	XERIC MIXED GRASSLAND	323			1		1		
10/14/94	830	MULE DEER	ODHE1	BZ			11	G	5		2	XERIC MIXED GRASSLAND	323			9	1	7	1	
10/19/94	915	MULE DEER	ODHE1	BZ			12	I	5		2	XERIC MIXED GRASSLAND	323			2		1	1	
10/19/94	915	MULE DEER	ODHE1	BZ			11	G	0		2	XERIC MIXED GRASSLAND	323			5		5		
10/19/94	715	MULE DEER	ODHE1	BZ			11	G	5		2	XERIC MIXED GRASSLAND	323			5		3	2	
10/20/94	802	MULE DEER	ODHE1	BZ			14	K	1		2	XERIC MIXED GRASSLAND	323			2	2			
10/20/94	807	MULE DEER	ODHE1	BZ			12	I	1		2	XERIC MIXED GRASSLAND	323			6	6			
10/28/94	734	MULE DEER	ODHE1	BZ			12	H	1		2	XERIC MIXED GRASSLAND	323			6		5	1	
10/28/94	854	MULE DEER	ODHE1	BZ			2	F	0		2	XERIC MIXED GRASSLAND	323			4	4			
11/08/94	808	MULE DEER	ODHE1	BZ			11	G	1		2	XERIC MIXED GRASSLAND	323			3				
11/15/94	730	MULE DEER	ODHE1	BZ			12	I	1	5	2	XERIC MIXED GRASSLAND	323			12	4	4	4	
11/21/94	840	MULE DEER	ODHE1	BZ	BX01L		12	G	5		2	XERIC MIXED GRASSLAND	323			5	1	2	2	
11/21/94	1035	MULE DEER	ODHE1	BZ	RG02B		16	P	1		2	XERIC MIXED GRASSLAND	323			1	1			
11/23/94	1203	MULE DEER	ODHE1	BZ			5	G	0		2	XERIC MIXED GRASSLAND	323			6		4	2	
11/28/94	1150	MULE DEER	ODHE1	BZ			15	L	5		2	XERIC MIXED GRASSLAND	323			3		1	2	
11/28/94	1124	MULE DEER	ODHE1	BZ			14	H	1		2	XERIC MIXED GRASSLAND	323			4	1	2	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																76	22	35	16	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																183				
05/23/94	640	MULE DEER	ODHE1	BZ	RG01A	OU1	8	L	5	0	2	RECLAIMED MIXED GRASSLAND	324			5	3	2		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																5	3	2		
06/10/94	800	MULE DEER	ODHE1	BZ	RG01A	OU1	8	M	1		2	RECLAIMED MIXED GRASSLAND	324			1		1		
08/09/94	2006	MULE DEER	ODHE1	BZ			2	U	5		4	RECLAIMED MIXED GRASSLAND	324			3	3			
08/09/94	2319	MULE DEER	ODHE1	BZ			12	S	5	1	4	RECLAIMED MIXED GRASSLAND	324			2	1	1		
08/09/94	2015	MULE DEER	ODHE1	BZ			3	S	5		4	RECLAIMED MIXED GRASSLAND	324			3		3		
08/09/94	2136	MULE DEER	ODHE1	BZ			7	Q	5		4	RECLAIMED MIXED GRASSLAND	324			3	3			
08/16/94		MULE DEER	ODHE1	BZ			10	N	5	1	4	RECLAIMED MIXED GRASSLAND	324	DISTURBED ROADSIDE	420	3		1	2	
08/16/94		MULE DEER	ODHE1	BZ		OU5	7	P	5	1	4	RECLAIMED MIXED GRASSLAND	324			6	4	1	1	
08/16/94		MULE DEER	ODHE1	BZ		OU2	10	P	5	1	4	RECLAIMED MIXED GRASSLAND	324			2		1	1	
08/16/94		MULE DEER	ODHE1	BZ		OU6&7	12	J	5	1	4	RECLAIMED MIXED GRASSLAND	324			3		1	2	

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 4. BIG GAME SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																26	11	9	6	
10/28/94	720	MULE DEER	ODHE1	BZ	POND B-5	OU6	11	Q		1		2	RECLAIMED MIXED GRASSLAND	324		2	2			
11/21/94	1213	MULE DEER	ODHE1	BZ	RA02A	OU5	7	I		1		2	RECLAIMED MIXED GRASSLAND	324		6	1	5		
11/22/94	1002	MULE DEER	ODHE1	BZ		OU2	10	O		1		2	RECLAIMED MIXED GRASSLAND	324		4		2	2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																12	3	7	2	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																43				
07/01/94	900	MULE DEER	ODHE1	BZ			11	I		1		2	DISTURBED ROADSIDE	410		2		1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																2		1	1	
10/12/94	1410	MULE DEER	ODHE1	BZ		OU10	11	I		1		2	ANNUAL GRASS/FORB	410		3		1	2	
10/20/94	804	MULE DEER	ODHE1	BZ		OU6&7	12	J		1		2	ANNUAL GRASS/FORB	410		4		2	2	
11/17/94	1510	MULE DEER	ODHE1	BZ			8	K		1		2	DISTURBED/ANNUAL GRASS	410		5		5		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																12		8	4	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																14				
04/29/94	1437	MULE DEER	ODHE1	BZ	RA01B		13	G		0		2	DISTURBED/ROADCUT	420		5				
05/24/94	738	MULE DEER	ODHE1	BZ	RW01A		7	N		1		2	DISTURBED/BARREN LANDS	420		1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																6	1			
08/09/94	2336	MULE DEER	ODHE1	BZ		OU6	11	N		1		4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																7				
06/13/94	650	MULE DEER	ODHE1	BZ			14	H		1		2	ROAD	540		3		3		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																3		3		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				
12/20/94	1030	MULE X WHITE-TAILED DEER	HEXVI	BZ	RS01B		14	F		1		2	TALL UPLAND SHRUBLAND	230		1	1			
01/25/94	1310	MULE X WHITE-TAILED DEER	HEXVI	BZ	RS01B		14	F		0	1	2	TALL UPLAND SHRUBLAND	230		1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																2	2			
05/20/94	917	MULE X WHITE-TAILED DEER	HEXVI	BZ			14	I		5		2	TALL UPLAND SHRUBLAND	230		1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1	1			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				
08/05/94	640	MULE X WHITE-TAILED DEER	HEXVI	BZ			13	F		1		2	MESIC MIXED GRASSLAND	322		1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1	1			
11/15/94	834	MULE X WHITE-TAILED DEER	HEXVI	BZ			13	F		1		2	MESIC MIXED GRASSLAND	322		1	1			
11/28/94	1141	MULE X WHITE-TAILED DEER	HEXVI	BZ			15	H		5		2	MESIC MIXED GRASSLAND	322		1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																2	2			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS																3024	603	1321	551	54

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

3.2.2 Mid-Sized Mammals

Black-tailed Prairie Dog

Black-tailed Prairie Dog (*Cynomys ludovicianus*) surveys were performed during July 1994. None of the sites surveyed had active prairie dogs at the time of the surveys. Relative abundance surveys and fortuitous sightings of prairie dogs indicated healthy populations as late as June. When it became evident that the prairie dog colonies were no longer occupied, inquiries were made into the health of prairie dog populations in the surrounding areas. Several cases of plague had been confirmed from colonies in the vicinity of the Site. It is apparent that the Rocky Flats populations were also reduced by the disease. Only a very small remnant population remained on the Site at the end of 1994. Seasonal use by habitat is presented in Table 5. A complete listing of prairie dog observations is presented in Appendix A.

Muskrat

Musk rats (*Ondatra zibethicus*) were observed during relative abundance surveys, and as fortuitous sightings. Data from such sightings was entered into the Significant Species Database. Musk rats, or signs of their presence have been recorded in ponds in the Woman Creek, Walnut Creek, and Rock Creek drainages. They are also present in the South Interceptor Ditch (SID). This species is prey to various predators including Coyotes and Golden Eagles. Populations of this species are difficult to estimate without a heavy trapping regimen. A total of 13 individual observations was recorded during the entire 1994 field season. Seasonal observations sorted by habitat are summarized in Table 5. A complete listing of observations of this species is presented in Appendix A.

Beaver

A single Beaver (*Castor canadensis*) was recorded in Pond A-1 in late August 1994. This individual was most likely the same individual recorded during 1993 (DOE 1994). No observations were made after the August sighting, leading to the conclusion that the Beaver may have emigrated from the Site. Seasonal observations sorted by habitat are summarized in Table 5.

Lagomorphs

Lagomorphs were recorded during relative abundance surveys and as fortuitous sightings. Data from such sightings were entered into the Significant Species Database. Lagomorphs at the Site include the Desert Cottontail (*Sylvilagus audubonii*), Eastern Cottontail (*Sylvilagus floridanus*), White-tailed Jackrabbit (*Lepus townsendii*) and Black-tailed Jackrabbit (*Lepus californicus*). The most common of these species is the Desert Cottontail. Desert Cottontails inhabit disturbed areas, scrap storage areas,

TABLE 5. MID-SIZED MAMMAL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
	08/24/94	743	BEAVER	CACA1	BZ	POND A-1	OU6	11	N		1	2	MUDFLAT		93					1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																1					
01/25/94	1430	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			16	Q		5	0	2	MESIC MIXED GRASSLAND	322					18	
01/25/94	1108	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG03B			17	P		0		2	MESIC MIXED GRASSLAND	322					30	
02/18/94	1450	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			16	Q		5	0	2	MESIC MIXED GRASSLAND	322					17	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																65					65
03/24/94	1130	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			16	Q		5	0	2	MESIC MIXED GRASSLAND	322					37	
05/26/94	808	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			17	P		0	5	2	MESIC MIXED GRASSLAND	322					20	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																57					57
06/01/94	1442	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				2	N		14		2	MESIC MIXED GRASSLAND	322					1	
06/22/94	930	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				14	P		1		2	MESIC MIXED GRASSLAND	322					1	
08/23/94	850	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				2	O		0		2	MESIC MIXED GRASSLAND	322					9	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																11					11
06/14/94	850	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				16	I		0		2	XERIC MIXED GRASSLAND	323					5	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																5					5
05/25/94	1510	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RS01B			14	G		1		2	TALL UPLAND SHRUBLAND	230					1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1					1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																139					139
05/20/94	710	DESERT COTTONTAIL	SYAU1	BZ			OU5	7	P		0		2	WET MEADOW	10					4	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																4					4
05/16/94		DESERT COTTONTAIL	SYAU1	BZ	BA01A			7	M		0		2	MESIC MIXED GRASSLAND	322					1	
05/20/94	705	DESERT COTTONTAIL	SYAU1	BZ			OU5	7	P		0		2	MESIC MIXED GRASSLAND	322					3	
05/26/94	808	DESERT COTTONTAIL	SYAU1	BZ	RG02B			17	P		0		2	MESIC MIXED GRASSLAND	322					1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																5					5
06/01/94	1434	DESERT COTTONTAIL	SYAU1	BZ				2	O		0		2	MESIC MIXED GRASSLAND	322					1	
06/28/94	1438	DESERT COTTONTAIL	SYAU1	BZ	RA02B	OU6		12	Q		0		2	MESIC MIXED GRASSLAND	322					1	
06/30/94	700	DESERT COTTONTAIL	SYAU1	BZ				8	N		0		2	MESIC MIXED GRASSLAND	322					1	
08/23/94	850	DESERT COTTONTAIL	SYAU1	BZ				2	O		0		2	MESIC MIXED GRASSLAND	322					1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																4					4
10/10/94	805	DESERT COTTONTAIL	SYAU1	BZ	BA01A			7	K		0		2	MESIC MIXED GRASSLAND	322					2	
10/20/94	915	DESERT COTTONTAIL	SYAU1	BZ	RG02B			16	Q		0		2	MESIC MIXED GRASSLAND	322					1	
10/28/94	734	DESERT COTTONTAIL	SYAU1	BZ		OU10		11	I		1		2	MESIC MIXED GRASSLAND	322					1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																4					4
05/20/94	714	DESERT COTTONTAIL	SYAU1	BZ	POND C-2	OU5		7	P		0		2	RECLAIMED MIXED GRASSLAND	324					2	
05/23/94	640	DESERT COTTONTAIL	SYAU1	BZ	RG01A	OU1		8	L		0		2	RECLAIMED MIXED GRASSLAND	324					1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																3					3
08/09/94	2136	DESERT COTTONTAIL	SYAU1	BZ				7	Q		5		4	RECLAIMED MIXED GRASSLAND	324					1	
08/09/94	2141	DESERT COTTONTAIL	SYAU1	BZ		OU5		7	P		1		4	RECLAIMED MIXED GRASSLAND	324					3	
08/09/94	2133	DESERT COTTONTAIL	SYAU1	BZ		OU5		7	P		5	1	4	RECLAIMED MIXED GRASSLAND	324					2	
08/16/94		DESERT COTTONTAIL	SYAU1	BZ		OU6		11	P		1	0	4	RECLAIMED MIXED GRASSLAND	324	DISTURBED ROADSIDE	420			1	

BZ = Buller Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 5. MID-SIZED MAMMAL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	7				7	
05/20/94	817	DESERT COTTONTAIL	SYAU1	BZ			1	N	0		2	GRAZED DOWN PASTURE	325			1				1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	1				1	
03/30/94		DESERT COTTONTAIL	SYAU1	BZ	BA01A		7	L	0		2	DISTURBED/ANNUAL GRASS	410			1				1		
04/25/94		DESERT COTTONTAIL	SYAU1	BZ	BA01A		7	K	0		2	DISTURBED/ANNUAL GRASS	410			1				1		
04/25/94		DESERT COTTONTAIL	SYAU1	BZ	BA01A	OU5	7	J	0		2	DISTURBED/ANNUAL GRASS	410			1				1		
05/18/94	738	DESERT COTTONTAIL	SYAU1	BZ	POND A-2	OU6	12	O	0		2	DISTURBED/ANNUAL GRASS	410			1				1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	4				4	
09/28/94	635	DESERT COTTONTAIL	SYAU1	BZ	CONT.YRD	OU1	8	L	0		2	DISTURBED/ANNUAL GRASS	410			4				4		
09/29/94	630	DESERT COTTONTAIL	SYAU1	BZ		OU1	8	L	0		2	DISTURBED/ANNUAL GRASS	410			2				2		
10/06/94	630	DESERT COTTONTAIL	SYAU1	BZ			8	K	0		2	DISTURBED/ANNUAL GRASS	410			2				2		
10/06/94	630	DESERT COTTONTAIL	SYAU1	BZ		OU1	8	L	0		2	DISTURBED/ANNUAL GRASS	410			3				3		
10/12/94	630	DESERT COTTONTAIL	SYAU1	BZ		OU1	8	L	0		2	DISTURBED/ANNUAL GRASS	410			3				3		
10/14/94	940	DESERT COTTONTAIL	SYAU1	BZ	BG02A		7	N	0		2	DISTURBED/ANNUAL GRASS	410			1				1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	15				15	
02/28/94	1509	DESERT COTTONTAIL	SYAU1	BZ	RW01A		7	N	0		2	DISTURBED/BARREN LANDS	420			1				1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																	1				1	
03/02/94	1240	DESERT COTTONTAIL	SYAU1	BZ	RA02B	OU6	12	Q	0		2	DISTURBED/BARREN LANDS	420			2				2		
05/03/94	1220	DESERT COTTONTAIL	SYAU1	BZ	RA02A	OU6	12	Q	0		2	DISTURBED/BARREN LANDS	420			2				2		
05/20/94	700	DESERT COTTONTAIL	SYAU1	BZ		OU1	8	L	0		2	DISTURBED/BARREN LANDS	420			3			3			
05/20/94	705	DESERT COTTONTAIL	SYAU1	BZ		OU5	7	P	0		2	DISTURBED/BARREN LANDS	420			2				2		
05/24/94	738	DESERT COTTONTAIL	SYAU1	BZ	RW01A		7	N	0		2	DISTURBED/BARREN LANDS	420			4				4		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	13				3	10
06/15/94	750	DESERT COTTONTAIL	SYAU1	BZ	POND C-1	OU5	7	N	0		2	DISTURBED/BARREN LANDS	420			2				2		
06/20/94	630	DESERT COTTONTAIL	SYAU1	IA	CONT.YRD	OU1	8	L	0		2	DISTURBED/BARREN LANDS	420			2				2		
06/20/94	635	DESERT COTTONTAIL	SYAU1	BZ	POND C-2	OU5	7	P	0		2	DISTURBED/BARREN LANDS	420			4			1	3		
06/20/94	635	DESERT COTTONTAIL	SYAU1	BZ	SID		8	O	0		2	DISTURBED/BARREN LANDS	420			1				1		
06/20/94	635	DESERT COTTONTAIL	SYAU1	BZ		OU2	8	N	0		2	DISTURBED/BARREN LANDS	420			1				1		
07/13/94	645	DESERT COTTONTAIL	SYAU1	BZ	POND-C-2	OU5	7	P	0		2	DISTURBED/BARREN LANDS	420	RIPRAP	530	3				3		
07/18/94	620	DESERT COTTONTAIL	SYAU1	BZ	CONT.YRD	OU1	8	L	0		2	DISTURBED/BARREN LANDS	420			1				1		
07/25/94	640	DESERT COTTONTAIL	SYAU1	BZ		OU5	7	P	1		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	1			1			
08/09/94	1930	DESERT COTTONTAIL	SYAU1	IA	CON YRD.	OU1	8	M	0		4	DISTURBED/BARREN LANDS	420			3				3		
08/09/94	2326	DESERT COTTONTAIL	SYAU1	BZ			14	N	0		4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	1				1		
08/09/94	2317	DESERT COTTONTAIL	SYAU1	BZ			10	H	1	1	4	DISTURBED ROADSIDE	420			1				1		
08/09/94	1942	DESERT COTTONTAIL	SYAU1	BZ			8	N	1		4	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	5				5		
08/09/94	1945	DESERT COTTONTAIL	SYAU1	BZ			7	N	1	0	4	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	2				2		
08/09/94	1930	DESERT COTTONTAIL	SYAU1	BZ			10	Q	0		4	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	1				1		
08/09/94	2327	DESERT COTTONTAIL	SYAU1	BZ			14	O	1	0	4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	2				2		
08/09/94	1935	DESERT COTTONTAIL	SYAU1	BZ			10	Q	0		4	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	1				1		
08/09/94	1940	DESERT COTTONTAIL	SYAU1	BZ			10	Q	0		4	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	1			1			
08/09/94	2340	DESERT COTTONTAIL	SYAU1	BZ		OU2	9	N	1	0	4	DISTURBED ROADSIDE	420			1				1		

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 5. MID-SIZED MAMMAL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
	08/09/94	1950	DESSERT COTTONTAIL	SYAU1	BZ		7	P	1	0	4	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	2				2	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		14	N	0	1	4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	2			2		
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		8	O	1	0	4	DISTURBED ROADSIDE	420			11				11	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		14	O	0	1	4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	1				1	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		14	M	0	1	4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	3				3	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		7	L	0		4	DISTURBED ROADSIDE	420	RECLAIMED MIXED GRASSLAND	324	1				1	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		8	O	1		4	DISTURBED ROADSIDE	420			6				6	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		14	L	0	1	4	DISTURBED ROADSIDE	420			1				1	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		14	N	0	1	4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	2				2	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		14	O	0	1	4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	2				2	
	08/16/94		DESSERT COTTONTAIL	SYAU1	BZ		OU10	11	I	1	0	4	DISTURBED ROADSIDE	420			2			2	
	08/24/94	838	DESSERT COTTONTAIL	SYAU1	BZ	RA02B	10	P	0		2	DISTURBED ROADSIDE	420							1	
	08/24/94	823	DESSERT COTTONTAIL	SYAU1	BZ	RA02B	OU6	12	Q	0		2	DISTURBED ROADSIDE	420						4	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																71			5	66	
	10/28/94	715	DESSERT COTTONTAIL	SYAU1	BZ		8	N	0		2	DISTURBED/BARREN LANDS	420			6				6	
	11/14/94	1344	DESSERT COTTONTAIL	SYAU1	BZ	RA02B	OU6	12	Q	0	5	2	DISTURBED ROADSIDE	420						2	
	11/22/94	1520	DESSERT COTTONTAIL	SYAU1	BZ		OU1	8	L	0		2	DISTURBED/BARREN LANDS	420						3	
	11/28/94	630	DESSERT COTTONTAIL	SYAU1	BZ		8	K	0		2	DISTURBED/BARREN LANDS	420							1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																12				12	
	04/04/94	1132	DESSERT COTTONTAIL	SYAU1	BZ	RW01A		7	K	0		2	RIPRAP	530						1	
	05/04/94	1100	DESSERT COTTONTAIL	SYAU1	BZ	RW01A	OU5	7	P	0		2	RIPRAP	530						1	
	05/24/94	645	DESSERT COTTONTAIL	SYAU1	BZ	RW01A	OU5	7	P	1		2	RIPRAP	530						3	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																5				5	
	06/10/94	1024	DESSERT COTTONTAIL	SYAU1	BZ	RW01A		7	N	0		2	DISTURBED GRAVEL	530						1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1				1	
	07/28/94	630	DESSERT COTTONTAIL	SYAU1	BZ	RW01A	OU5	7	P	1	0	2	RIPRAP	530						6	
	08/23/94	620	DESSERT COTTONTAIL	SYAU1	BZ	RW01A	OU5	7	P	1		2	RIPRAP	530						1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																7				7	
	10/12/94	700	DESSERT COTTONTAIL	SYAU1	BZ		OU6&7	12	J	0		2	RIPRAP STOCKPILE	530						2	
	10/24/94	725	DESSERT COTTONTAIL	SYAU1	BZ	RW01A	OU5	7	P	1	0	2	RIPRAP	530						5	
	11/21/94	1309	DESSERT COTTONTAIL	SYAU1	BZ	RW01A	OU5	7	P	0		2	RIPRAP	530						2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																9				9	
	04/29/94	735	DESSERT COTTONTAIL	SYAU1	BZ	RG01A		8	N	0		2	ROADSIDE/FENCEROW	540						1	
	05/26/94	1423	DESSERT COTTONTAIL	SYAU1	BZ		OU6	12	Q	0		2	ROADSIDE/FENCEROW	540						2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																3				3	
	07/29/94	844	DESSERT COTTONTAIL	SYAU1	BZ	RA02B	OU6	12	Q	0		2	ROADSIDE/FENCEROW	540						3	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																3				3	
	09/21/94	1544	DESSERT COTTONTAIL	SYAU1	BZ	RA02B	OU6	12	Q	0		2	ROADSIDE/FENCEROW	540						1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1	
	02/01/94	1509	DESSERT COTTONTAIL	SYAU1	BZ	RA02B	OU6	12	Q	5		2	DEBRIS PILES	550	STRUCTURES	520	13				13
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																13				13	

BZ = Buller Zone
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TABLE 5. MID-SIZED MAMMAL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
03/04/94	722	DESERT COTTONTAIL	SYAU1	BZ		OU6	12	Q	0		2	DEBRIS PILES	550			2				2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																2				2	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																188					
12/13/94	754	EASTERN FOX SQUIRREL	SCN11	BZ	BS01B		13	F	0		2	TALL UPLAND SHRUBLAND	230			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																1				1	
06/21/94	921	EASTERN FOX SQUIRREL	SCN11	BZ	RS01B		14	F	0		2	PONDEROSA PINE TREE	120	TALL UPLAND SHRUBLAND	230	1	1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1	1				
10/19/94	836	EASTERN FOX SQUIRREL	SCN11	BZ	RS01B		13	F	1	5	2	COTTONWOOD TREE	110	TALL UPLAND SHRUBLAND	230	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																3					
02/04/94	1142	JACKRABBIT	LEP1	BZ	BD01A		9	C	1		2	DISTURBED/ANNUAL GRASS	410			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																1					
03/18/94	1555	MUSKRAT	ONZI1	BZ	POND B-4	OU6	10	P	1		2	OPEN SHALLOW WATER	54			1				1	
03/31/94	1604	MUSKRAT	ONZI1	BZ	POND A-2	OU6	12	O	1		2	OPEN SHALLOW WATER	54			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																2				2	
06/24/94	800	MUSKRAT	ONZI1	BZ	LINDSAY		13	H	16		2	OPEN SHALLOW WATER	54			1				1	
06/28/94	1516	MUSKRAT	ONZI1	BZ	POND B-3	OU6	10	O	16		2	OPEN SHALLOW WATER	54			1				1	
07/26/94	1530	MUSKRAT	ONZI1	BZ	POND B-2	OU6	10	O	16		2	OPEN SHALLOW WATER	54			1				1	
07/26/94	1545	MUSKRAT	ONZI1	BZ	POND C-1	OU5	7	N	16		2	OPEN SHALLOW WATER	54			1				1	
07/29/94	752	MUSKRAT	ONZI1	BZ	POND A-2	OU6	12	O	16		2	OPEN SHALLOW WATER	54			1				1	
08/03/94	1550	MUSKRAT	ONZI1	BZ	POND C-2	OU5	7	P	5	1	2	OPEN SHALLOW WATER	54			1				1	
08/23/94	637	MUSKRAT	ONZI1	BZ	POND C-1	OU5	7	N	1		2	OPEN SHALLOW WATER	54			1				1	
08/24/94	849	MUSKRAT	ONZI1	BZ	POND B-2	OU6	10	O	1		2	OPEN SHALLOW WATER	54			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																8				8	
10/05/94	1553	MUSKRAT	ONZI1	BZ	POND B-2	OU6	10	O	1		2	OPEN SHALLOW WATER	54			1				1	
11/14/94	1325	MUSKRAT	ONZI1	BZ	POND A-2	OU6	12	O	1		2	OPEN SHALLOW WATER	54			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																2				2	
07/28/94	705	MUSKRAT	ONZI1	BZ	POND C-1		7	N	1		2	MUDFLAT	93			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																13					
02/18/94	1440	PORCUPINE	ERDO1	BZ	RS02B		16	L	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																1				1	
03/25/94	1015	PORCUPINE	ERDO1	BZ	BS02B		14	I	0		2	TALL UPLAND SHRUBLAND	230			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																2					

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trailer yards, conex storage areas, rip-rap areas, and other areas affording cover. A total of 188 individual sightings of Desert Cottontails was recorded for 1994. The jackrabbit population is extremely sparse, probably due to the high population of Coyotes; and neither species of jackrabbit is often observed. Only a single observation of jackrabbit tracks was recorded during 1994. The species was not determined. Seasonal observations sorted by habitat are summarized in Table 5. A complete listing of observations of all lagomorphs is presented in Appendix A.

Porcupine

Porcupines (*Erethizon dorsatum*) were recorded during relative abundance surveys and as fortuitous sightings. Data from such sightings were entered into the Significant Species Database. Porcupines were observed at the Site twice in 1994. Both records were from the Rock Creek drainage. This area may be preferred by Porcupines due to the tall upland shrub habitat and the scattered Ponderosa Pines. Signs of Porcupines feeding were prevalent on Hawthorn (*Crataegus sp.*), Choke-cherry (*Prunus virginiana*), and Ponderosa Pines (*Pinus ponderosa*). Seasonal observations sorted by habitat are summarized in Table 5. A complete listing of observations of this species is presented in Appendix A.

Fox Squirrel

Fox Squirrels (*Sciurus niger*) were first confirmed on the Site in 1993 (DOE 1993). Further observations of Fox Squirrels during 1994 confirmed their presence in the upper Rock Creek Drainage. Previous observations had confirmed their presence in the Walnut Creek drainage and the Industrial Area. Records of sightings of this species during relative abundance surveys or as fortuitous sightings were entered into the Significant Species Database. Seasonal observations sorted by habitat are summarized in Table 5. A complete listing of observations of this species is presented in Appendix A.

3.2.3 Bats

Hoary Bat

Bat trapping exercises performed in August of 1994 failed to capture any bats for identification. One fortuitous observation was made, however, of a Hoary Bat (*Lasirus cinerceus*), a new species for the Site.

3.2.4 Carnivores

The dominant carnivore species at the Site is the Coyote (*Canis latrans*), with the next most frequently observed species being the Raccoon (*Procyon lotor*). One Long-tailed Weasel (*Mustela frenata*) was also recorded at the Site during 1994. Physical signs

continue to confirm the occasional presence of Striped Skunks (*Mephitis mephitis*) and Badgers (*Taxidea taxus*), though neither species is abundant at the Site. Species previously observed, including Bobcat (*Lynx rufus*), Gray Fox (*Urocyon cinereoargenteus*), and Red Fox (*Vulpes vulpes*) were not recorded during 1994. Table 6 presents a summary of carnivore observations by season. Appendix A presents a complete listing of data records for carnivore species.

Population trends of carnivores, the top species in the mammalian food chain, are an indicator of the ecological health of an area: the healthier the natural environment, the more diverse the composition of species, and the greater the number of individuals of each species. The top carnivores in an ecosystem must have a large, healthy population of prey species upon which to subsist. Reduced numbers of prey species are reflected in reduced numbers of carnivores. Monitoring the numbers and apparent health of carnivore populations is one means tracking overall trends in the ecological health of the Site. Coupled with data on other species, carnivore data provide important insights for the overall analysis of ecological trends at the Site.

Relative Abundance Surveys - Carnivores

During relative abundance surveys all carnivore species encountered were recorded, as were all animal species. Analyses of relative abundance survey results indicate the abundant presence of Coyotes and the habitual presence of Badgers, Long-tailed Weasels, Raccoons, and Striped Skunks.

Fortuitous Sightings - Carnivores

Fortuitous sightings of carnivores were recorded as they occurred and were subsequently entered into the Significant Species Database. This database may be queried for specific information.

A Fortuitous sighting during a relative abundance survey produced the observation of the largest single group of Coyotes. This group of 11 individuals, 7 young and 4 adults, was observed near a den along Woman Creek. A dead Badger was discovered during a bird survey. Raccoon tracks have been observed in muddy areas of Rock Creek, Walnut Creek, and Woman Creek, as well as in the Industrial Area, confirming their presence without actual physical sightings.

Site-wide Significant Species Surveys - Carnivores

Site-wide significant species surveys were conducted along all main roads in the Buffer Zone at the Site. During these surveys ecologists record all visible individuals of such taxonomic groups as carnivores, big game, game birds, raptors, waterfowl, and other species of special interest observed during a short time span over the entire Site.

TABLE 6. CARNIVORE SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/26/94	1001	BADGER	BZ				3	S	0		2	WET MEADOW	10			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																1				1
08/23/94	626	COYOTE	BZ	RW01A	OU5		7	P	0		2	BOTTOMLAND SHRUBLAND	210			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1				1
11/21/94	1401	COYOTE	BZ	RS01B			14	F	1		2	BOTTOMLAND SHRUBLAND	210			1				1
11/23/94	951	COYOTE	BZ	RA04B			2	T	0		2	BOTTOMLAND SHRUBLAND	210			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																2				2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				3
09/13/94	921	COYOTE	BZ	RS03B			5	S	1		2	DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
02/03/94	1343	COYOTE	BZ	RD02B			9	C	0		2	DISTURBED/BARREN LANDS	420			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																1				1
10/10/94	719	COYOTE	BZ				7	N	1		2	DISTURBED/BARREN LANDS	420			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																2				2
10/13/94	906	COYOTE	EA			96TH/ALKIRE			5		2	LAKESHORE MUDFLAT	93			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
12/05/94	859	COYOTE	BZ				15	J	1		2	MESIC MIXED GRASSLAND	322			2				2
12/06/94	1040	COYOTE	BZ				13	F	1		2	MESIC MIXED GRASSLAND	322			1				1
12/06/94	1040	COYOTE	BZ				12	F	5		2	MESIC MIXED GRASSLAND	322			2				2
12/06/94	1003	COYOTE	BZ				4	L	5		2	MESIC MIXED GRASSLAND	322			1				1
12/06/94	939	COYOTE	BZ				2	O	5		2	MESIC MIXED GRASSLAND	322			1				1
12/06/94	1010	COYOTE	BZ				5	I	5		2	MESIC MIXED GRASSLAND	322			1				1
12/06/94	912	COYOTE	BZ				7	F	5		2	MESIC MIXED GRASSLAND	322			1				1
12/06/94	1056	COYOTE	BZ				13	F	5		2	MESIC MIXED GRASSLAND	322			1				1
12/14/94	736	COYOTE	BZ		OU6		12	N	5		2	MESIC MIXED GRASSLAND	322			1				1
12/15/94	724	COYOTE	BZ	POND C-2	OU5		7	P	1		2	MESIC MIXED GRASSLAND	322			1				1
12/15/94	755	COYOTE	BZ	POND D-2			2	T	1		2	MESIC MIXED GRASSLAND	322			1				1
12/15/94	1412	COYOTE	BZ				3	F	5		2	MESIC MIXED GRASSLAND	322			1				1
12/15/94	902	COYOTE	BZ				3	H	1		2	MESIC MIXED GRASSLAND	322			1				1
12/20/94	832	COYOTE	BZ	RG02B			16	O	5		2	MESIC MIXED GRASSLAND	322			1				1
12/20/94	832	COYOTE	BZ	RG02B			16	P	1	0	2	MESIC MIXED GRASSLAND	322			2				2
12/21/94	838	COYOTE	BZ	RA03B			5	I	5		2	MESIC MIXED GRASSLAND	322			2				2
12/22/94	1301	COYOTE	BZ				2	R	5		2	MESIC MIXED GRASSLAND	322			1				1
12/22/94	1407	COYOTE	BZ				14	J	1		2	MESIC MIXED GRASSLAND	322			1				1
12/22/94	1528	COYOTE	BZ				16	G	1		2	MESIC MIXED GRASSLAND	322			3				3
12/22/94	1528	COYOTE	BZ		OU11		9	E	5		2	MESIC MIXED GRASSLAND	322			1				1
01/25/94	1424	COYOTE	BZ	RG02B			16	Q	5		2	MESIC MIXED GRASSLAND	322			4				4
01/25/94	1424	COYOTE	BZ	RG02B			16	P	1		2	MESIC MIXED GRASSLAND	322			1				1
01/25/94	1108	COYOTE	BZ	RG03B			17	P	5		2	MESIC MIXED GRASSLAND	322			2				2
02/18/94	1530	COYOTE	BZ	RG02B			15	P	0		2	MESIC MIXED GRASSLAND	322			1				1
02/18/94	1450	COYOTE	BZ	RG02B			16	Q	1		2	MESIC MIXED GRASSLAND	322			1				1
02/22/94	1505	COYOTE	BZ				13	P	0		2	MESIC MIXED GRASSLAND	322			1				1
02/25/94	918	COYOTE	BZ	BA01A			5	I	1		2	MESIC MIXED GRASSLAND	322	TALL MARSH	30	3				3
02/25/94	1015	COYOTE	BZ	BG01B			2	G	1		2	MESIC MIXED GRASSLAND	322			1				1
02/28/94	906	COYOTE	BZ	RA03B			5	I	5		2	MESIC MIXED GRASSLAND	322			1				1

BZ = Buller Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 6. CARNIVORE SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
02/28/94	945	COYOTE	BZ				4	K	5		2	MESIC MIXED GRASSLAND	322			1				1
02/28/94	905	COYOTE	BZ		OU11		9	E	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																43				43
03/04/94	820	COYOTE	BZ				1	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
03/18/94	1442	COYOTE	BZ				2	O	5		2	MESIC MIXED GRASSLAND	322			1				1
03/23/94	615	COYOTE	BZ	BG01B			4	G	1		2	MESIC MIXED GRASSLAND	322			1				1
03/24/94	1130	COYOTE	BZ	RG02B			16	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
03/30/94		COYOTE	BZ	BW01A			7	L	1		2	MESIC MIXED GRASSLAND	322			1				1
04/13/94	730	COYOTE	BZ				7	L	1	5	2	MESIC MIXED GRASSLAND	322			1				1
05/16/94		COYOTE	BZ	BG02B			10	D	1		2	MESIC MIXED GRASSLAND	322			1				1
05/24/94	650	COYOTE	BZ	RW01A			7	O	13		2	MESIC MIXED GRASSLAND	322			11			7	4
05/26/94	830	COYOTE	BZ	RG03B			2	L	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																19			7	12
06/01/94	1558	COYOTE	BZ				14	O	0		2	MESIC MIXED GRASSLAND	322			2				2
06/01/94	1535	COYOTE	BZ				16	G	5		2	MESIC MIXED GRASSLAND	322			1				1
06/08/94	845	COYOTE	BZ	BA01B			5	I	13		2	MESIC MIXED GRASSLAND	322			2				2
06/08/94	810	COYOTE	BZ	BG01B			4	G	1		2	MESIC MIXED GRASSLAND	322			1				1
06/23/94	915	COYOTE	BZ				11	F	1		2	MESIC MIXED GRASSLAND	322			1				1
06/29/94	810	COYOTE	BZ				5	I	5	1	2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	3			1	2
07/13/94	720	COYOTE	BZ	BD03B			2	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
07/13/94	632	COYOTE	BZ	SID			8	P	4	13	2	MESIC MIXED GRASSLAND	322	TALL MARSH	30	3			2	1
07/25/94	640	COYOTE	BZ		OUS		7	P	1	13	2	MESIC MIXED GRASSLAND	322			2				2
07/28/94	630	COYOTE	BZ	RW01A	OUS		7	P	1		2	MESIC MIXED GRASSLAND	322			1				1
08/05/94	700	COYOTE	BZ	BS01B			14	G	1		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	1				1
08/09/94	2030	COYOTE	BZ				2	R	5		4	MESIC MIXED GRASSLAND	322			1				1
08/09/94	2125	COYOTE	BZ				6	K	5		4	MESIC MIXED GRASSLAND	322			1				1
08/09/94	2121	COYOTE	BZ				5	J	5		4	MESIC MIXED GRASSLAND	322			3				3
08/09/94	2249	COYOTE	BZ				16	G	1		4	MESIC MIXED GRASSLAND	322			1				1
08/09/94	2032	COYOTE	BZ				2	N	5		4	MESIC MIXED GRASSLAND	322			1				1
08/16/94		COYOTE	BZ				15	I	1		4	MESIC MIXED GRASSLAND	322			2				2
08/16/94		COYOTE	BZ				16	L	5	1	4	MESIC MIXED GRASSLAND	322			2				2
08/16/94		COYOTE	BZ				14	M	5	1	4	MESIC MIXED GRASSLAND	322			2				2
08/16/94		COYOTE	BZ				15	J	1		4	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	1				1
08/16/94		COYOTE	BZ				15	H	5	1	4	MESIC MIXED GRASSLAND	322			1				1
08/16/94		COYOTE	BZ				2	P	5	1	4	MESIC MIXED GRASSLAND	322			1				1
08/16/94		COYOTE	BZ				13	P	5	1	4	MESIC MIXED GRASSLAND	322			1				1
08/16/94		COYOTE	BZ				6	J	5	1	4	MESIC MIXED GRASSLAND	322			1				1
08/16/94		COYOTE	BZ				16	M	5	1	4	MESIC MIXED GRASSLAND	322			1				1
08/17/94	2030	COYOTE	BZ				13	H	1	5	3	MESIC MIXED GRASSLAND	322			9				9
08/19/94	900	COYOTE	BZ				15	N	5	1	2	MESIC MIXED GRASSLAND	322			1				1
08/19/94	905	COYOTE	BZ				14	J	5	1	2	MESIC MIXED GRASSLAND	322			1				1
08/23/94	1100	COYOTE	BZ				15	E	1		2	MESIC MIXED GRASSLAND	322			1				1
08/23/94	1025	COYOTE	BZ				13	F	1		2	MESIC MIXED GRASSLAND	322			1				1
08/23/94	918	COYOTE	BZ				3	F	1		2	MESIC MIXED GRASSLAND	322			1			1	1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																51			9	42
10/06/94	902	COYOTE	EA			96HT/INDIANA			5		2	MESIC MIXED GRASSLAND	322			1				1
10/14/94	807	COYOTE	BZ				14	G	0		2	MESIC MIXED GRASSLAND	322			1				1
10/20/94	810	COYOTE	BZ	RS02B			14	I	1		2	MESIC MIXED GRASSLAND	322			1				1
10/24/94	735	COYOTE	BZ	RW01A			7	O	1		2	MESIC MIXED GRASSLAND	322			1				1

BZ = Buffer Zone
IA = Industrial Area
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TABLE 6. CARNIVORE SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
10/25/94	954	COYOTE	BZ	BG01R			15	O	1		2	MESIC MIXED GRASSLAND	322			1				1
10/26/94	840	COYOTE	BZ	BG01B			3	G	5		2	MESIC MIXED GRASSLAND	322			4				4
10/28/94	901	COYOTE	BZ				4	H	5		2	MESIC MIXED GRASSLAND	322			2				2
10/28/94	827	COYOTE	BZ				16	G	1		2	MESIC MIXED GRASSLAND	322			2				1
10/28/94	901	COYOTE	BZ				2	N	5		2	MESIC MIXED GRASSLAND	322			1				1
10/28/94	901	COYOTE	BZ				3	F	5		2	MESIC MIXED GRASSLAND	322			1				1
10/28/94	842	COYOTE	BZ				12	F	5		2	MESIC MIXED GRASSLAND	322			1				1
10/28/94	1026	COYOTE	EA			96TH/INDIANA			5		2	MESIC MIXED GRASSLAND	322			1				1
10/28/94	828	COYOTE	BZ				15	M	5		2	MESIC MIXED GRASSLAND	322			2				1
10/28/94	810	COYOTE	BZ				17	H	5		2	MESIC MIXED GRASSLAND	322			1				1
11/14/94	830	COYOTE	BZ	BA01A			7	K	1		2	MESIC MIXED GRASSLAND	322			1				1
11/14/94	720	COYOTE	BZ				7	N	5		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210	1				1
11/18/94	1010	COYOTE	BZ				7	O	5		2	MESIC MIXED GRASSLAND	322			1				1
11/23/94	850	COYOTE	BZ	RG03B			5	P	13	11	2	MESIC MIXED GRASSLAND	322			5				5
11/28/94	1206	COYOTE	BZ				11	E	1		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	1031	COYOTE	BZ				4	I	1		2	MESIC MIXED GRASSLAND	322			3				3
11/28/94	1044	COYOTE	BZ				5	I	5		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	1000	COYOTE	BZ				2	N	1		2	MESIC MIXED GRASSLAND	322			2				2
11/28/94	933	COYOTE	BZ			OU5	6	N	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																36			2	34
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																149			18	130
12/07/94	1221	COYOTE	EA						5		2	MUDFLAT	93			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																1				1
07/28/94	705	COYOTE	BZ	RW01A			7	N	1		2	MUDFLAT	93			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																2				2
08/13/94	1455	COYOTE	BZ	POND D-2			2	T	5		2	RECLAIMED MIXED GRASSLAN	324			1				1
08/23/94	718	COYOTE	BZ				2	T	1		2	RECLAIMED MIXED GRASSLAN	324			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																3				3
11/18/94	1010	COYOTE	BZ				2	T	5		2	RECLAIMED MIXED GRASSLAN	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																4				4
09/12/84	1050	COYOTE	BZ	RA03B			6	K	0		2	ROADSIDE/FENCEROW	540			1				1
11/23/94	834	COYOTE	BZ				5	M	1		2	ROADSIDE/FENCEROW	540	MESIC MIXED GRASSLAND	322	2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																3				3
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				3
12/05/94	813	COYOTE	BZ				17	L	5		2	SHORT MARSH	20			1				1
12/13/94	915	COYOTE	BZ	BA01B			5	J	5		2	SHORT MARSH	20	MESIC MIXED GRASSLAND	322	1				1
02/22/94	1316	COYOTE	BZ	RA01B			12	F	0	1	2	SHORT MARSH	20			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																3				3
03/31/94	1348	COYOTE	BZ	RA01B			12	F	5		2	SHORT MARSH	20			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1				1
08/09/94	2234	COYOTE	BZ				15	K	1		4	SHORT MARSH	20			1				1
08/09/94	730	COYOTE	BZ				4	N	5		2	SHORT MARSH	20			1				1
08/26/94		COYOTE	BZ	BS02B			14	G	5		2	SHORT MARSH	20			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																3				3
10/24/84	907	COYOTE	BZ	RA02A			5	I	5		2	SHORT MARSH	20			1				1
11/28/94	1141	COYOTE	BZ				15	H	5		2	SHORT MARSH	20			1				1
11/28/94	1148	COYOTE	BZ				15	J	1		2	SHORT MARSH	20			2				2

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TABLE 6. CARNIVORE SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
10/07/94	1032	RACCOON	BZ	RA04B			4	R	1		2	TALL MARSH		30		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
07/28/94	705	RACCOON	BZ	RW01A			7	N	1		2	MUDFLAT		93		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
03/04/94	1315	RACCOON	BZ		OU5		7	J	1		2	DITCH EDGE		95		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
07/28/94	754	RACCOON	BZ	RW03B	OU5		7	I	0		2	DECIDUOUS WOODLAND		110		1				1
08/09/94	2342	RACCOON	BZ		OU6		11	P	1		4	COTTONWOOD TREE		110		2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																3				3
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																3				3
02/04/94	1020	RACCOON	BZ	BW01A			7	N	1		2	BOTTOMLAND SHRUBLAND		210		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																1				1
11/23/94	1035	RACCOON	BZ	RS03B			5	S	1		2	BOTTOMLAND SHRUBLAND		210		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																2				2
03/30/94		RACCOON	BZ	BA01A			7	L	1		2	DISTURBED/ANNUAL GRASS		410		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
04/04/94	718	RACCOON	BZ	RG01A	OU1		8	L	1		2	ROADSIDE/FENCEROW		540		1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT																1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																11				11

BZ = Buffer Zone
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Such surveys conducted in October and November of 1994 produced sightings of 12 and 14 Coyotes respectively. No other carnivores were recorded during those surveys, but because most carnivores are predominantly nocturnal, this is not unusual. Coyotes remain less nocturnal at the Site, probably because of the measure of protection afforded them by the prohibition of hunting within Site boundaries. Observations indicate that Coyotes at the Site typically pack-hunt at night, rest during the hours following dawn, then hunt individually for small mammals during the remainder of the day. Small mammal hunting is apparently sufficient to sustain these predators, however, since coyote kills of Mule Deer are seldom recorded at the Site.

Site-wide surveys such as these typically produce more records of all carnivore species when the ground is snow-covered. Snow cover makes all larger animals more visible, and most animals are more active into the daylight hours during the snowy months because of the greater need for food in cold weather.

Night Spotlight Surveys - Carnivores

Night surveys performed with the aid of hand-held spotlights generally reveal a larger number of carnivores than surveys performed during the daytime. Most carnivores are nocturnal (active at night), so night surveys are often used to gain better data on species presence and population sizes than can be obtained during daytime surveys. The night spotlight survey performed at the Site on August 9, 1994 recorded a total of 10 individual Coyotes, and 2 Raccoons. A second night survey performed on August 16, 1994 recorded sightings of 15 individual Coyotes, indicating a population density of approximately 1.4 Coyotes per square mile at the Site. This high population indicates an excellent carrying capacity of prey species, and also reflects the protection from hunting afforded by the Site buffer zone. Due to the secretive nature of most carnivores, population estimation of this taxonomic group is difficult, and cannot be accomplished without intensive effort.

3.3 Bird Survey Summaries

3.3.1 Migratory (Passerine) Birds

Twenty two permanent bird transects were visited four times in June and monthly during the remainder of the year. Three transects (3,000 m) are located in wetland communities, three transects (3,000 m) are located in deciduous riparian woodland communities, one transect (1,000 m) is located in a bottomland shrub community, two transects (2,000 m) are located in tall upland shrub communities, four transects (4,000 m) are located in mesic mixed grassland communities, three transects (2,500 m) are located in rehabilitation grassland communities, five transects (2,600 m) are located in xeric mixed grassland communities, and one transect (500 m) is located in a disturbed grassland community. The total distance covered by all transects is 18,600 m.

Breeding Season Summary

Twenty-two Emlen transects were completed four times each in June 1994 to document the occurrence of migratory birds during the breeding season. Fifty-six species of birds were recorded during the breeding season, ranging from eight in disturbed communities to 37 in tall upland shrub communities. A total of 3,176 individuals were observed. The number of individuals per 1,000 m of transect ranged from 48 in disturbed communities to 277 in tall upland shrub communities. The overall density (all species combined) was 5.7 birds per hectare (ha), ranging from 1.1 in disturbed communities to 9.6 in upland shrub communities. Survey results for the breeding season are summarized in Table 7. Weekly results for the breeding season are presented in Appendix B.

Summaries of 1994 breeding bird survey data yielded similar results compared to survey results from 1993 (DOE 1994) and 1991 (DOE 1992), with a few notable exceptions:

- 1) During 1994 the recorded number of individuals and calculated density was highest in the upland shrub communities, as compared to 1991 and 1993 when the highest densities were recorded in wetland communities. This divergence from past years can be explained by the revision of the data summary process. Summaries for 1994 separated upland shrub communities from the bottomland shrub communities. This separation was considered valid because the two shrubland communities provide significantly different habitats, physical conditions, and thus niches for wildlife. In prior years, the two communities were combined as undifferentiated shrublands. Measurements are standardized (i.e., number of individuals per 1,000 m and birds per ha), making them comparable from year to year. This new separation of shrub community types emphasizes the fact that tall upland shrub communities are very important areas for breeding birds.
- 2) Another exception noted was that disturbed communities had the lowest number of individuals and the lowest density in 1994, while xeric grasslands had contained the lowest numbers of individuals and density in 1993. This discrepancy is again likely due to a different treatment of the habitats. Two survey routes in reclaimed grassland habitats were included as disturbed habitat in the 1993 data summaries (DOE 1994), although this habitat is not directly comparable to the barren lands of the areas classified as disturbed habitats. These survey transects were, instead, joined with other more analogous habitats for 1994 analyses, and truly disturbed (barren lands) areas were treated as disturbed in the 1994 analyses.

Table 7. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Breeding Season 1994

Community Type: Wetlands		Number	Density
Species			
Red-winged Blackbird		321	6.3
Common Yellowthroat		23	0.51
Common Snipe		23	0.49
Song Sparrow		21	0.31
Western Meadowlark		34	0.29
Grasshopper Sparrow		17	0.23
Cinnamon Teal		2	0.17
Barn Swallow		34	0.15
Vesper Sparrow		11	0.11
Mourning Dove		13	0.11
Mallard		11	0.10
House Finch		21	0.10
Say's Phoebe		4	0.095
Great Blue Heron		1	0.083
American Goldfinch		10	0.076
Northern Oriole		4	0.056
American Kestrel		4	0.035
Blue Grosbeak		1	0.028
Common Grackle		4	0.022
Cliff Swallow		5	0.021
European Starling		4	0.021
Brown-headed Cowbird		3	0.020
Horned Lark		1	0.017
Eastern Kingbird		1	0.017
Western Kingbird		1	0.017
Black-billed Magpie		2	0.011
Double-crested Cormorant		2	0.008
Northern Flicker		1	0.006
Rufous-sided Towhee		1	0.006
Red-tailed Hawk		1	0.004
Rock Wren		1	0.004

Table 7. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Breeding Season 1994

Community Type: Woodlands			
	Species	Number	Density
	House Finch	82	3.4
	Northern Oriole	47	2.3
	Song Sparrow	38	1.6
	Vesper Sparrow	35	1.3
	European Starling	58	1.3
	Western Meadowlark	71	0.88
	Brown-headed Cowbird	29	0.82
	American Goldfinch	39	0.78
	Blue Grosbeak	8	0.67
	Brewer's Blackbird	71	0.64
	Mourning Dove	33	0.54
	Western Kingbird	14	0.39
	Lesser Goldfinch	4	0.33
	Red-winged Blackbird	27	0.25
	Great Horned Owl	3	0.25
	Yellow Warbler	3	0.25
	Barn Swallow	33	0.14
	Common Yellowthroat	1	0.083
	Rufous-sided Towhee	2	0.083
	House Wren	1	0.083
	Eastern Kingbird	3	0.083
	Warbling Vireo	1	0.083
	American Kestrel	5	0.074
	Red-tailed Hawk	6	0.037
	Killdeer	3	0.029
	Cliff Swallow	6	0.025
	Black-billed Magpie	3	0.025
	Double-crested Cormorant	5	0.021
	American Robin	3	0.018
	Northern Flicker	2	0.016
	Common Grackle	2	0.016
	Mallard	3	0.013
	Say's Phoebe	1	0.006
Community Type: Bottomland Shrub - Leadplant			
	Species	Number	Density
	Northern Oriole	18	1.8
	Red-winged Blackbird	24	1.7
	Vesper Sparrow	23	1.7
	Mourning Dove	18	1.5
	Western Meadowlark	21	1.2
	Eastern Kingbird	6	0.75
	Brewer's Blackbird	2	0.50
	American Robin	2	0.50
	European Starling	13	0.43
	American Goldfinch	11	0.33
	House Finch	12	0.31
	Grasshopper Sparrow	8	0.29
	Song Sparrow	4	0.29
	Great Horned Owl	1	0.25
	Brown-headed Cowbird	5	0.13
	Blue Grosbeak	3	0.090
	Common Grackle	2	0.025
	Killdeer	1	0.013
	Double-crested Cormorant	1	0.013

Table 7. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Breeding Season 1994

Community Type:	Upland Shrub		
	Species	Number	Density
	Song Sparrow	87	2.6
	Rufous-sided Towhee	69	2.3
	Red-winged Blackbird	86	1.7
	American Goldfinch	67	0.98
	Black-billed Magpie	40	0.97
	Brown-headed Cowbird	27	0.49
	Western Meadowlark	36	0.49
	Green-tailed Towhee	10	0.42
	Common Yellowthroat	17	0.30
	Vesper Sparrow	8	0.27
	Lesser Goldfinch	2	0.25
	Blue-gray Gnatcatcher	2	0.25
	Northern Oriole	8	0.22
	House Finch	12	0.17
	Grasshopper Sparrow	1	0.13
	Yellow-breasted Chat	1	0.13
	Black-capped Chickadee	3	0.13
	Chipping Sparrow	1	0.13
	Common Snipe	5	0.11
	Ring-billed Gull	14	0.088
	Mourning Dove	10	0.088
	Western Kingbird	3	0.087
	Dark-eyed Junco	2	0.083
	Northern Flicker	6	0.074
	Blue Grosbeak	2	0.063
	Barn Swallow	9	0.056
	Cliff Swallow	7	0.044
	Brewer's Blackbird	1	0.042
	American Robin	2	0.036
	American Kestrel	4	0.026
	European Starling	4	0.025
	Common Raven	2	0.013
	Yellow Warbler	1	0.010
	Golden Eagle	1	0.006
	Great Blue Heron	1	0.006
	Red-tailed Hawk	1	0.006
	Tree Swallow	1	0.006

Table 7. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Breeding Season 1994

Community Type:	Mesic Mixed Grasslands		
	Species	Number	Density
	Vesper Sparrow	97	1.1
	Western Meadowlark	122	0.87
	House Finch	104	0.70
	Grasshopper Sparrow	44	0.57
	Red-winged Blackbird	33	0.21
	Mourning Dove	32	0.16
	Cassin's Finch	6	0.13
	Lesser Goldfinch	2	0.13
	European Starling	27	0.10
	Northern Oriole	13	0.10
	American Goldfinch	14	0.10
	Song Sparrow	12	0.087
	Killdeer	11	0.079
	Horned Lark	7	0.077
	Cliff Swallow	16	0.066
	Western Kingbird	4	0.063
	Barn Swallow	18	0.056
	Golden Eagle	2	0.042
	American Robin	6	0.041
	Say's Phoebe	3	0.033
	Mallard	5	0.021
	Common Nighthawk	2	0.021
	Common Yellowthroat	2	0.016
	Common Grackle	5	0.016
	Black-billed Magpie	1	0.013
	Blue Grosbeak	2	0.012
	Brown-headed Cowbird	3	0.009
	Great Blue Heron	2	0.006
	Brewer's Blackbird	2	0.006
	Red-tailed Hawk	1	0.003
	Swainson's Hawk	1	0.003
	Common Raven	1	0.003
	Rock Dove	1	0.003

Table 7. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Breeding Season 1994

Community Type: Rehabilitation Mixed Grasslands			
	Species	Number	Density
	Western Meadowlark	96	1.2
	Vesper Sparrow	64	0.95
	Grasshopper Sparrow	39	0.66
	Mourning Dove	27	0.22
	House Finch	24	0.18
	Song Sparrow	11	0.12
	Common Raven	13	0.065
	Red-winged Blackbird	8	0.062
	Brewer's Blackbird	11	0.055
	Common Grackle	9	0.053
	Northern Oriole	4	0.037
	American Goldfinch	5	0.033
	Blue Grosbeak	2	0.033
	Western Kingbird	1	0.033
	Killdeer	5	0.031
	Barn Swallow	6	0.030
	Brown-headed Cowbird	5	0.025
	European Starling	4	0.020
	Say's Phoebe	2	0.014
	Eastern Kingbird	1	0.009
	Horned Lark	1	0.006
	Great Blue Heron	1	0.005
	Turkey Vulture	1	0.005
Community Type: Xeric Mixed Grasslands			
	Species	Number	Density
	Vesper Sparrow	72	1.6
	Western Meadowlark	68	0.91
	Grasshopper Sparrow	29	0.69
	Black-billed Magpie	11	0.16
	Red-winged Blackbird	9	0.12
	Common Nighthawk	2	0.096
	American Goldfinch	10	0.085
	Barn Swallow	13	0.076
	White-crowned Sparrow	2	0.064
	House Finch	9	0.063
	Horned Lark	4	0.059
	Say's Phoebe	4	0.045
	Mourning Dove	6	0.044
	Brown-headed Cowbird	2	0.038
	Rufous-sided Towhee	4	0.038
	Song Sparrow	1	0.032
	Western Kingbird	1	0.032
	Cliff Swallow	4	0.019
	American Kestrel	2	0.014
	Common Yellowthroat	1	0.007
	Golden Eagle	1	0.005
	Great Blue Heron	1	0.005
	Swainson's Hawk	1	0.005
	Brewer's Blackbird	1	0.005
	Common Snipe	1	0.005

Table 7. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Breeding Season 1994

Community Type: Disturbed Communities			
	Species	Number	Density
	Vesper Sparrow	6	1.3
	Rock Wren	2	0.33
	Western Meadowlark	7	0.28
	Cliff Swallow	4	0.10
	Say's Phoebe	1	0.071
	Barn Swallow	2	0.050
	Red-tailed Hawk	1	0.025
	Violet-green Swallow	1	0.025

Gnatcatcher (*Poliioptila caerulea*), Green-tailed Towhee (*Pipilo chlorurus*), and Yellow-breasted Chat (*Icteria virens*) tend to use the upland shrub communities exclusively. Though the Rufous-sided Towhee and the Blue-gray Gnatcatcher do use this habitat heavily, relative abundance data indicate that both species are also recorded in riparian woodland complexes made up of cottonwood trees and willow shrubs.

Mesic Mixed Grassland Communities - Thirty-three species of birds for a total of 601 individuals were recorded. Density was 4.0 birds/ha. The species richness and abundance is comparable to riparian woodland communities, yet the density is much lower. Much of the total abundance is attributed to three species, the Vesper Sparrow, Western Meadowlark, and House Finch. Other common species include Grasshopper Sparrow, Red-winged Blackbird, and Mourning Dove.

Rehabilitation (Reclaimed) Mixed Grassland Communities - Twenty-three species of birds and 340 individuals were observed in this community type. This community tends to be mesic in soil characteristics and moisture yet the avian measurements (density, richness, and abundance) tend to be comparable to xeric sites. This may be due to the low plant species diversity in this artificially established grassland. The Western Meadowlark (1.2 birds/ha) is the most abundant species. Other common species include Vesper Sparrow, Grasshopper Sparrow, Mourning Dove, and House Finch. One 1000 m survey route in rehabilitation mixed grassland is adjacent to a manmade water conveyance ditch and a reservoir. This proximity to a more riparian habitat may influence the diversity and density of birds along the survey transect.

Xeric Mixed Grassland Communities - Twenty-five species of birds for a total of 259 individuals were recorded. Overall density was 3.3 birds/ha. The Vesper Sparrow (1.6 birds/ha) was the most abundant species observed. Other common species include the Western Meadowlark and the Grasshopper Sparrow.

Disturbed Communities - Eight species were recorded during the breeding season and only 24 individuals were observed in disturbed communities. These measurements were an order of magnitude lower than any other community type on the Site. It is noteworthy that the species richness was lowest during the breeding season (June 94) as compared to the spring and summer seasons. This data may indicate that birds prefer other communities at the Site as breeding habitat. The Vesper Sparrow (1.3 birds/ha) was the most abundant species observed. Rock Wrens (*Salpinctes obsoletus*) tend to use the disturbed communities at the Site exclusively, due primarily to the presence of rock piles.

Seasonal Summary

The seasonal summaries are comprised of density, species richness, and total abundance measurements for winter, spring, summer, and fall, 1994. The breeding season (June 94) is also included in the summer seasonal summary. The seasons, for the purposes of this report are defined as winter -> December, January, February; spring -> March, April, May; summer -> June, July, August; fall -> September, October, November. Survey results for the four seasons are summarized in Tables 8 through 11. Monthly surveys are summarized in Appendix B.

As expected, overall diversity follows an annual cycle, low in winter, increasing in spring, peaking in summer, and declining in fall. Two community types did not follow this annual cycle. Xeric mixed grasslands reached the lowest density and number of individuals during the fall (0.73 birds/ha and 74 individuals) and disturbed communities reached the highest density and number of individuals in the spring (2.5 birds/ha and 35 individuals).

Overall, most of the avian species that inhabit the Site during the summer months emigrate from the Site in the fall and immigrate back to the Site in the spring. A few species stay year round and still others are winter residents, arriving at the Site in the late fall and departing in early spring. This overall activity accounts for the annual cycle mentioned above.

Wetland Communities - Winter surveys in wetland communities revealed an average density of 0.083 birds/ha with four species observed. Summer surveys revealed an average density of 5.8 birds/ha with 36 species observed. Typical winter residents in wetland communities include Black-billed Magpie (*Pica pica*) and American Tree Sparrows (*Spizella arborea*) both at a density of 0.17 birds/ha. The most abundant summer resident was the Red-winged Blackbird (4.9 birds/ha). Other common summer residents include Common Yellowthroats, Common Snipe, and Song Sparrows. Western Meadowlarks and Grasshopper Sparrows were commonly encountered on the perimeter of wetland areas.

Deciduous Riparian Woodland Communities - The overall winter density in woodland communities was 1.1 birds/ha. This was the highest winter density recorded in 1994. Twelve species were observed during the season. The single most abundant species was the Great Horned Owl (*Bubo virginianus*). Other common winter residents include Northern Flicker (*Colaptes auratus*), European Starling (*Sturnus vulgaris*), Black-billed Magpie, and Common Raven (*Corvus corax*). Thirty-nine species were observed for an overall density of 8.8 birds/ha during the summer. The most abundant summer resident was the House Finch, with the Northern Oriole, Vesper Sparrow, European Starling, Song Sparrow, Western Meadowlark, and the Brown-headed Cowbird (*Molothrus ater*) noted as commonly observed summer residents.

Table 8. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Winter 1994

Community Type: Wetlands			
	Species	Number	Density
	Black-billed Magpie	1	0.17
	American Tree Sparrow	1	0.17
	Rough-legged Hawk	2	0.018
	Merlin	1	0.015
Community Type: Woodlands			
	Species	Number	Density
	Great Horned Owl	7	0.61
	Northern Flicker	7	0.50
	European Starling	22	0.41
	Black-billed Magpie	3	0.33
	Song Sparrow	2	0.22
	Black-capped Chickadee	2	0.22
	Red-winged Blackbird	1	0.11
	Rough-legged Hawk	1	0.11
	Common Snipe	1	0.11
	American Tree Sparrow	2	0.074
	Common Raven	5	0.028
	Red-tailed Hawk	1	0.006
Community Type: Bottomland Shrub - Leadplant			
	Species	Number	Density
	Great Horned Owl	1	0.33
	Western Meadowlark	1	0.11
	Common Raven	1	0.017
Community Type: Upland Shrub			
	Species	Number	Density
	Black-billed Magpie	16	0.42
	Black-capped Chickadee	14	0.29
	American Goldfinch	6	0.23
	House Finch	5	0.20
	Dark-eyed Junco	2	0.11
	Horned Lark	8	0.067
	Red-winged Blackbird	2	0.056
	Red-tailed Hawk	1	0.008
	Northern Harrier	1	0.008
	Bald Eagle	1	0.008
Community Type: Mesic Mixed Grasslands			
	Species	Number	Density
	Horned Lark	6	0.17
	Northern Flicker	1	0.006
	Common Raven	1	0.006
	Bald Eagle	1	0.006

Table 8. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Winter 1994

Community Type: Rehabilitation Mixed Grasslands			
	Species	Number	Density
	Canada Goose	24	0.16
	Horned Lark	3	0.13
	Red-winged Blackbird	1	0.027
	Rock Dove	4	0.027
	European Starling	2	0.013
	Common Goldeneye	1	0.007
Community Type: Xeric Mixed Grasslands			
	Species	Number	Density
	Canada Goose	111	0.93
	Horned Lark	11	0.092
	Western Meadowlark	4	0.035
	Rough-legged Hawk	1	0.033
	Black-billed Magpie	2	0.018
	Golden Eagle	1	0.008
	Common Raven	1	0.008
Community Type: Disturbed Communities			
	Species	Number	Density
	American Tree Sparrow	1	0.22
	Horned Lark	1	0.13
	Black-billed Magpie	1	0.051

Table 9. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Spring 1994

Habitat Type: Wetland Community		
Species	Number	Density
Red-winged Blackbird	138	3.6
Common Snipe	18	1.1
Mallard	8	0.89
Western Meadowlark	38	0.55
Ring-necked Duck	3	0.33
Chipping Sparrow	3	0.33
Song Sparrow	14	0.31
Greater Scaup	2	0.22
Common Yellowthroat	9	0.18
European Starling	25	0.16
Brown-headed Cowbird	2	0.074
Killdeer	4	0.061
Mourning Dove	5	0.056
American Goldfinch	2	0.044
Barn Swallow	8	0.044
House Finch	5	0.040
Brewer's Blackbird	1	0.037
Black-billed Magpie	3	0.037
Vesper Sparrow	1	0.037
Horned Lark	2	0.032
American Kestrel	4	0.032
Common Grackle	2	0.032
Canada Goose	3	0.030
Northern Flicker	2	0.025
Say's Phoebe	3	0.024
American Robin	1	0.022
Great Blue Heron	1	0.006
Swainson's Hawk	1	0.006
Rufous-sided Towhee	1	0.006

Table 9. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Spring 1994

Habitat Type: Woodland Community			
	Species	Number	Density
	Song Sparrow	22	1.9
	European Starling	40	1.4
	Western Meadowlark	65	1.0
	Northern Flicker	7	0.78
	American Robin	8	0.71
	Brown-headed Cowbird	4	0.44
	Mourning Dove	28	0.42
	Red-winged Blackbird	21	0.41
	Yellow Warbler	3	0.33
	Northern Oriole	3	0.33
	Vesper Sparrow	9	0.31
	American Goldfinch	9	0.18
	House Finch	10	0.16
	American Kestrel	1	0.11
	Common Snipe	1	0.11
	Common Yellowthroat	1	0.11
	Blue Grosbeak	1	0.11
	Dark-eyed Junco	1	0.11
	Rufous-sided Towhee	2	0.11
	Black-billed Magpie	3	0.11
	Common Grackle	1	0.11
	House Wren	1	0.11
	Wilson's Warbler	1	0.11
	Mallard	7	0.085
	Red-tailed Hawk	4	0.077
	Lesser Goldfinch	1	0.037
	Ring-necked Pheasant	1	0.037
	Brewer's Blackbird	3	0.031
	Barn Swallow	4	0.022
	Northern Harrier	1	0.007
	Common Raven	1	0.006
	Cliff Swallow	1	0.006
	Double-crested Cormorant	1	0.006
Habitat Type: Bottomland Shrub - Leadplant Communities			
	Species	Number	Density
	Western Meadowlark	16	3.0
	Mourning Dove	7	2.3
	Red-winged Blackbird	3	1.0
	Song Sparrow	6	1.0
	American Tree Sparrow	3	1.0
	European Starling	3	1.0
	Chipping Sparrow	8	0.63
	Mallard	1	0.33
	Great Horned Owl	1	0.33
	House Finch	1	0.33
	Yellow-rumped Warbler	1	0.33
	Vesper Sparrow	2	0.33
	Western Kingbird	1	0.33
	Black-billed Magpie	1	0.017

Table 9. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Spring 1994

Habitat Type: Upland Shrub Community			
Species	Number	Density	
Rufous-sided Towhee	24	1.7	
Red-winged Blackbird	37	1.1	
Song Sparrow	22	0.840	
Black-billed Magpie	23	0.69	
Western Meadowlark	34	0.66	
Chipping Sparrow	2	0.33	
Wilson's Warbler	2	0.33	
House Finch	18	0.28	
Common Snipe	6	0.25	
Black-capped Chickadee	6	0.23	
Yellow-rumped Warbler	3	0.21	
Yellow Warbler	1	0.17	
Northern Oriole	1	0.17	
Blue-gray Gnatcatcher	1	0.17	
American Robin	2	0.17	
American Goldfinch	14	0.15	
Common Yellowthroat	4	0.095	
Mourning Dove	6	0.085	
Vesper Sparrow	2	0.083	
Brewer's Blackbird	5	0.065	
Great Horned Owl	1	0.056	
Dark-eyed Junco	1	0.056	
Brown-headed Cowbird	1	0.056	
Green-tailed Towhee	1	0.056	
Northern Flicker	2	0.033	
Mallard	2	0.028	
Say's Phoebe	1	0.019	
Habitat Type: Mesic Mixed Grassland Community			
Species	Number	Density	
Vesper Sparrow	34	0.58	
Western Meadowlark	52	0.53	
House Finch	31	0.24	
Mourning Dove	19	0.21	
Horned Lark	18	0.19	
Red-winged Blackbird	13	0.18	
Mountain Bluebird	4	0.11	
European Starling	10	0.10	
Mallard	5	0.099	
Killdeer	1	0.083	
Grasshopper Sparrow	7	0.072	
Western Kingbird	3	0.050	
Say's Phoebe	4	0.040	
Barn Swallow	5	0.038	
Song Sparrow	3	0.036	
Common Raven	5	0.023	
Red-tailed Hawk	3	0.018	
Golden Eagle	2	0.014	
American Kestrel	2	0.010	
Turkey Vulture	1	0.009	
Merlin	1	0.008	

Table 9. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Spring 1994

Habitat Type: Rehabilitation Mixed Grassland Community			
	Species	Number	Density
	Vesper Sparrow	44	1.3
	Western Meadowlark	59	0.99
	Mourning Dove	11	0.28
	Grasshopper Sparrow	4	0.15
	Say's Phoebe	4	0.13
	Red-winged Blackbird	9	0.10
	House Finch	9	0.068
	Song Sparrow	5	0.068
	Canada Goose	9	0.052
	American Tree Sparrow	2	0.046
	Common Raven	7	0.040
	Chipping Sparrow	1	0.038
	Brewer's Blackbird	6	0.034
	Eastern Phoebe	1	0.023
	European Starling	4	0.023
	American Robin	1	0.013
	Mallard	2	0.011
	Turkey Vulture	2	0.011
	Barn Swallow	2	0.011
	Great Blue Heron	1	0.006
Habitat Type: Xeric Mixed Grassland Community			
	Species	Number	Density
	Vesper Sparrow	46	0.88
	Western Meadowlark	66	0.76
	House Finch	24	0.66
	Mourning Dove	11	0.12
	Horned Lark	3	0.068
	House Sparrow	1	0.043
	Killdeer	2	0.037
	Black-billed Magpie	5	0.036
	European Starling	2	0.024
	Red-winged Blackbird	2	0.019
	Grasshopper Sparrow	1	0.018
	Rufous-sided Towhee	1	0.018
	Northern Flicker	1	0.014
	Song Sparrow	1	0.014
	Cliff Swallow	2	0.013
	Mallard	1	0.006
	Red-tailed Hawk	1	0.006
	Rock Dove	1	0.006
	Barn Swallow	1	0.006
	Northern Oriole	1	0.006
Habitat Type: Disturbed Communities			
	Species	Number	Density
	House Finch	5	1.3
	Vesper Sparrow	5	0.79
	Mountain Bluebird	1	0.48
	Western Meadowlark	3	0.48
	American Robin	3	0.48
	Rock Wren	2	0.32
	Say's Phoebe	2	0.32
	Mourning Dove	5	0.17
	American Kestrel	1	0.16
	Song Sparrow	1	0.16
	Mallard	5	0.15
	Red-winged Blackbird	1	0.068
	Spotted Sandpiper	1	0.053

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares), Summer 1994

Community Type:	Wetlands		
	Species	Number	Density
	Red-winged Blackbird	366	4.9
	Common Yellowthroat	36	0.61
	Common Snipe	23	0.33
	Western Meadowlark	45	0.31
	Song Sparrow	25	0.29
	Grasshopper Sparrow	22	0.22
	Vesper Sparrow	20	0.16
	Barn Swallow	52	0.15
	House Finch	33	0.14
	Mourning Dove	17	0.12
	Cinnamon Teal	2	0.11
	Western Kingbird	3	0.071
	Mallard	11	0.069
	American Goldfinch	16	0.062
	Great Blue Heron	1	0.056
	Great Horned Owl	1	0.056
	Common Nighthawk	1	0.056
	Blue Grosbeak	2	0.056
	Broad-tailed Hummingbird	1	0.056
	Say's Phoebe	5	0.051
	Northern Oriole	4	0.037
	American Kestrel	4	0.023
	Cliff Swallow	7	0.019
	Common Grackle	4	0.015
	Brewer's Sparrow	5	0.014
	European Starling	4	0.014
	Brown-headed Cowbird	3	0.013
	Rock Wren	3	0.013
	Horned Lark	1	0.011
	Eastern Kingbird	1	0.011
	Red-tailed Hawk	2	0.010
	Black-billed Magpie	2	0.007
	Double-crested Cormorant	2	0.006
	Northern Flicker	1	0.004
	Rufous-sided Towhee	1	0.004
	Common Raven	1	0.003

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Summer 1994

Community Type: Woodlands			
	Species	Number	Density
	House Finch	137	4.5
	Northern Oriole	58	2.1
	Vesper Sparrow	51	1.4
	European Starling	80	1.2
	Song Sparrow	45	1.1
	Western Meadowlark	78	0.66
	Brown-headed Cowbird	31	0.61
	Sage Thrasher	10	0.56
	Mourning Dove	53	0.55
	American Goldfinch	56	0.52
	Blue Grosbeak	10	0.46
	Brewer's Blackbird	71	0.42
	Western Kingbird	17	0.34
	Yellow Warbler	7	0.30
	Chipping Sparrow	5	0.28
	Great Horned Owl	4	0.22
	Lesser Goldfinch	4	0.22
	Red-winged Blackbird	27	0.17
	Rufous-sided Towhee	4	0.15
	Barn Swallow	46	0.13
	Eastern Kingbird	5	0.13
	Common Yellowthroat	1	0.056
	Loggerhead Shrike	1	0.056
	Sora	1	0.056
	Blue-gray Gnatcatcher	1	0.056
	House Wren	1	0.056
	Warbling Vireo	1	0.056
	American Robin	6	0.045
	American Kestrel	6	0.042
	Say's Phoebe	3	0.029
	Red-tailed Hawk	7	0.027
	Black-billed Magpie	5	0.027
	Great Blue Heron	1	0.019
	Killdeer	3	0.019
	Cliff Swallow	7	0.019
	Double-crested Cormorant	5	0.014
	Northern Flicker	3	0.012
	Common Grackle	2	0.011
	Mallard	3	0.008

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Summer 1994

Community Type: Bottomland Shrub - Leadplant			
	Species	Number	Density
	Red-winged Blackbird	57	4.6
	Vesper Sparrow	33	1.9
	Northern Oriole	24	1.8
	Mourning Dove	25	0.77
	Western Meadowlark	28	0.73
	Yellow Warbler	3	0.50
	Eastern Kingbird	6	0.50
	House Finch	20	0.36
	Brewer's Blackbird	2	0.33
	American Robin	2	0.33
	American Goldfinch	15	0.33
	European Starling	14	0.28
	Grasshopper Sparrow	10	0.25
	Song Sparrow	4	0.19
	Great Horned Owl	1	0.17
	Green-tailed Towhee	1	0.17
	House Wren	1	0.17
	Blue Grosbeak	4	0.10
	Brown-headed Cowbird	5	0.085
	Western Kingbird	1	0.033
	Common Raven	2	0.017
	Common Grackle	2	0.017
	Killdeer	1	0.008
	Barn Swallow	1	0.008
	Double-crested Cormorant	1	0.008

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Summer 1994

Community Type:	Upland Shrub		
	Species	Number	Density
	Song Sparrow	124	3.1
	Rufous-sided Towhee	104	2.7
	Red-winged Blackbird	97	1.4
	Black-billed Magpie	50	0.89
	American Goldfinch	87	0.82
	House Finch	42	0.48
	Black-capped Chickadee	12	0.46
	Common Yellowthroat	27	0.38
	Sage Thrasher	22	0.37
	Western Meadowlark	40	0.37
	Vesper Sparrow	16	0.33
	Brown-headed Cowbird	27	0.33
	Lesser Goldfinch	8	0.30
	Green-tailed Towhee	10	0.28
	American Robin	11	0.27
	Chipping Sparrow	4	0.22
	Northern Oriole	10	0.20
	Mourning Dove	19	0.17
	Blue-gray Gnatcatcher	2	0.17
	Cliff Swallow	31	0.13
	Blue Grosbeak	4	0.11
	Yellow-breasted Chat	3	0.11
	Short-eared Owl	1	0.083
	Downy Woodpecker	1	0.083
	Common Snipe	5	0.072
	Ring-billed Gull	14	0.058
	Grasshopper Sparrow	2	0.056
	Dark-eyed Junco	2	0.056
	Western Kingbird	6	0.056
	Northern Flicker	6	0.049
	Barn Swallow	11	0.046
	European Starling	5	0.026
	American Kestrel	4	0.018
	Brewer's Blackbird	3	0.017
	Turkey Vulture	3	0.013
	Common Nighthawk	2	0.008
	Common Raven	2	0.008
	Yellow Warbler	1	0.006
	Golden Eagle	1	0.004
	Great Blue Heron	1	0.004
	Red-tailed Hawk	1	0.004
	Broad-tailed Hummingbird	1	0.004
	Tree Swallow	1	0.004

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares), Summer 1994

Community Type:	Mesic Mixed Grasslands		
	Species.	Number	Density
	Vesper Sparrow	160	1.5
	House Finch	152	0.8
	Western Meadowlark	134	0.6
	Grasshopper Sparrow	48	0.43
	Red-winged Blackbird	47	0.16
	Horned Lark	18	0.13
	Mourning Dove	37	0.12
	Cliff Swallow	35	0.08
	Cassin's Finch	6	0.08
	Lesser Goldfinch	2	0.08
	European Starling	31	0.08
	Western Kingbird	11	0.08
	American Goldfinch	19	0.07
	Northern Oriole	13	0.07
	Song Sparrow	13	0.07
	Killdeer	11	0.05
	Lark Bunting	3	0.042
	Barn Swallow	20	0.042
	Broad-tailed Hummingbird	1	0.042
	Chipping Sparrow	1	0.042
	Say's Phoebe	4	0.030
	Golden Eagle	2	0.028
	American Robin	6	0.027
	Common Nighthawk	3	0.025
	Mallard	5	0.014
	Common Yellowthroat	2	0.010
	Common Grackle	5	0.010
	Blue Grosbeak	2	0.008
	Black-billed Magpie	1	0.008
	Great Blue Heron	3	0.006
	Red-tailed Hawk	3	0.006
	Rough-legged Hawk	1	0.006
	Brown-headed Cowbird	3	0.006
	Pectoral Sandpiper	2	0.004
	Brewer's Blackbird	2	0.004
	Swainson's Hawk	1	0.002
	Common Raven	1	0.002
	Rock Dove	1	0.002
	American Kestrel	1	0.002

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares), Summer 1994

Community Type: Rehabilitation Mixed Grasslands			
	Species	Number	Density
	Vesper Sparrow	84	0.86
	Western Meadowlark	105	0.85
	Grasshopper Sparrow	42	0.47
	House Finch	44	0.32
	Mourning Dove	33	0.20
	Canada Goose	30	0.10
	Song Sparrow	12	0.087
	Red-winged Blackbird	16	0.084
	Northern Oriole	6	0.047
	Common Raven	13	0.043
	Cliff Swallow	13	0.043
	Barn Swallow	13	0.043
	American Goldfinch	7	0.040
	Common Grackle	10	0.038
	Brewer's Blackbird	11	0.037
	Western Kingbird	2	0.027
	Blue Grosbeak	2	0.022
	Killdeer	5	0.021
	Brown-headed Cowbird	5	0.017
	Common Nighthawk	4	0.013
	European Starling	4	0.013
	Broad-tailed Hummingbird	2	0.012
	Violet-green Swallow	3	0.010
	Say's Phoebe	2	0.009
	Rock Dove	2	0.007
	Eastern Kingbird	1	0.006
	Horned Lark	1	0.004
	Great Blue Heron	1	0.003
	Turkey Vulture	1	0.003
	American Kestrel	1	0.003

Table 10. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares), Summer 1994

Community Type: Xeric Mixed Grasslands			
	Species	Number	Density
	Vesper Sparrow	113	1.7
	Western Meadowlark	79	0.62
	Grasshopper Sparrow	32	0.53
	House Finch	47	0.32
	Horned Lark	8	0.12
	Black-billed Magpie	11	0.11
	Cliff Swallow	32	0.10
	Sage Thrasher	4	0.085
	Northern Harrier	3	0.082
	Red-winged Blackbird	9	0.078
	Barn Swallow	20	0.076
	American Goldfinch	13	0.063
	Mourning Dove	9	0.063
	Chipping Sparrow	2	0.043
	White-crowned Sparrow	2	0.043
	Say's Phoebe	4	0.030
	Brown-headed Cowbird	2	0.026
	Rufous-sided Towhee	4	0.025
	Common Nighthawk	3	0.024
	Killdeer	1	0.021
	Western Kingbird	1	0.021
	Song Sparrow	2	0.011
	American Kestrel	2	0.009
	Common Yellowthroat	1	0.005
	Golden Eagle	1	0.003
	Great Blue Heron	1	0.003
	Swainson's Hawk	1	0.003
	Brewer's Blackbird	1	0.003
	Common Snipe	1	0.003
	Violet-green Swallow	1	0.003
Community Type: Disturbed Communities			
	Species	Number	Density
	Vesper Sparrow	7	0.96
	Song Sparrow	1	0.33
	Broad-tailed Hummingbird	1	0.33
	Rock Wren	2	0.22
	Western Meadowlark	7	0.19
	Brewer's Sparrow	1	0.11
	Killdeer	1	0.067
	Cliff Swallow	4	0.067
	Say's Phoebe	1	0.048
	Barn Swallow	2	0.033
	Red-tailed Hawk	1	0.017
	European Starling	1	0.017
	Violet-green Swallow	1	0.017

Table 11. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Fall 1994

Community Type: Wetlands			
	Species	Number	Density
	Red-winged Blackbird	9	0.82
	Song Sparrow	10	0.43
	Rock Wren	2	0.22
	European Starling	11	0.15
	Sage Thrasher	1	0.11
	White-crowned Sparrow	1	0.11
	House Finch	8	0.096
	Black-billed Magpie	5	0.088
	Franklin's Gull	15	0.083
	Western Meadowlark	5	0.046
	Vesper Sparrow	2	0.044
	Canada Goose	7	0.039
	American Crow	6	0.033
	Barn Swallow	5	0.028
	American Kestrel	2	0.025
	Great Horned Owl	1	0.022
	Rufous-sided Towhee	1	0.022
	Northern Harrier	2	0.021
	Say's Phoebe	1	0.016
	Blue Jay	1	0.006
Community Type: Woodlands			
	Species	Number	Density
	House Finch	25	0.93
	Northern Flicker	8	0.71
	American Tree Sparrow	5	0.56
	Yellow-rumped Warbler	4	0.44
	Dark-eyed Junco	4	0.44
	Rufous-sided Towhee	4	0.44
	Black-throated Gray Warbler	2	0.22
	Yellow Warbler	2	0.22
	American Kestrel	2	0.22
	Sora	2	0.22
	Rock Wren	2	0.22
	Chipping Sparrow	2	0.22
	Western Meadowlark	15	0.20
	Black-capped Chickadee	1	0.11
	Ruby-crowned Kinglet	1	0.11
	House Wren	1	0.11
	Wilson's Warbler	1	0.11
	Mourning Dove	1	0.11
	White-crowned Sparrow	1	0.11
	Song Sparrow	10	0.11
	European Starling	11	0.093
	Black-billed Magpie	6	0.083
	American Robin	3	0.077
	Great Horned Owl	3	0.039
	Solitary Vireo	1	0.037
	American Crow	6	0.033
	Mallard	4	0.022
	Red-tailed Hawk	2	0.018
	Barn Swallow	1	0.006
	Vesper Sparrow	1	0.006

Table 11. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Fall 1994

Community Type: Bottomland Shrub - Leadplant			
	Species	Number	Density
	European Starling	7	1.8
	House Finch	2	0.67
	Chipping Sparrow	3	0.60
	Western Meadowlark	6	0.40
	Great Horned Owl	1	0.33
	American Goldfinch	2	0.22
	Vesper Sparrow	2	0.22
	Black-capped Chickadee	1	0.11
	Barn Swallow	1	0.017
Community Type: Upland Shrub			
	Species	Number	Density
	Rufous-sided Towhee	17	1.1
	Song Sparrow	15	0.77
	Short-eared Owl	3	0.50
	Black-billed Magpie	17	0.46
	House Finch	10	0.39
	Red-tailed Hawk	2	0.33
	Dark-eyed Junco	4	0.33
	Wilson's Warbler	6	0.33
	American Robin	11	0.33
	Black-capped Chickadee	7	0.29
	Canada Goose	25	0.21
	Great Horned Owl	1	0.17
	American Kestrel	1	0.17
	Common Yellowthroat	1	0.17
	Yellow Warbler	2	0.083
	Sage Thrasher	10	0.083
	Vesper Sparrow	5	0.061
	Ruby-crowned Kinglet	1	0.056
	Chipping Sparrow	1	0.056
	White-crowned Sparrow	1	0.056
	Rock Wren	1	0.033
	Say's Phoebe	1	0.033
	Western Meadowlark	2	0.027
	Mourning Dove	2	0.027
	Red-winged Blackbird	3	0.025
	Ferruginous Hawk	1	0.019
	Green-tailed Towhee	1	0.019
	Northern Harrier	2	0.017

Table 11. Bird Density Summary for Eight Community Types (Leopold Calculation in Hectares),
Fall 1994

Community Type: Mesic Mixed Grasslands			
	Species	Number	Density
	Canada Goose	100	0.64
	House Finch	67	0.34
	Western Meadowlark	32	0.22
	Grasshopper Sparrow	5	0.17
	Vesper Sparrow	30	0.14
	Song Sparrow	25	0.083
	Mourning Dove	15	0.056
	Red-winged Blackbird	25	0.017
	Red-tailed Hawk	25	0.017
	Black-billed Magpie	25	0.017
	American Crow	54	0.016
	Horned Lark	100	0.013
	Dark-eyed Junco	45	0.009
	Golden Eagle	87	0.005
	Common Raven	100	0.004
	Rock Dove	100	0.004
	Bald Eagle	100	0.004
Community Type: Rehabilitation Mixed Grasslands			
	Species	Number	Density
	Western Meadowlark	44	0.40
	House Finch	32	0.15
	Vesper Sparrow	68	0.11
	Canada Goose	100	0.10
	Common Raven	100	0.027
	Northern Flicker	35	0.019
	Rock Wren	35	0.019
	American Crow	100	0.013
	Horned Lark	100	0.013
	Red-tailed Hawk	87	0.008
	Great Horned Owl	87	0.008
	Mourning Dove	100	0.007
Community Type: Xeric Mixed Grasslands			
	Species	Number	Density
	Chipping Sparrow	15	0.51
	Horned Lark	5	0.26
	Pine Siskin	15	0.13
	Canada Goose	100	0.12
	Western Meadowlark	51	0.089
	Vesper Sparrow	28	0.068
	Black-billed Magpie	89	0.050
	Say's Phoebe	30	0.043
	House Finch	77	0.042
	Sage Thrasher	83	0.039
	American Robin	25	0.026
	Northern Harrier	58	0.022
	Red-tailed Hawk	100	0.013
	Rough-legged Hawk	100	0.006
	Common Raven	100	0.006
	American Kestrel	100	0.006
	European Starling	100	0.006
Community Type: Disturbed Communities			
	Species	Number	Density
	Rock Wren	10	0.67
	Western Meadowlark	25	0.53
	Say's Phoebe	35	0.095
	American Kestrel	100	0.033

Bottomland Shrub Communities - The average winter bird density in the bottomland shrub community was 0.12 birds/ha with 3 species observed. The species observed during winter surveys were the Great Horned Owl, the Western Meadowlark, and the Common Raven. The Great Horned Owls recorded in this community were most commonly observed in cottonwood stands within the primary bottomland shrub community. Ravens were recorded as individuals in flight over the community. Summer surveys revealed an overall density in this community of 8.7 birds/ha and a richness of 25 species. The most abundant summer species was the Red-winged Blackbird. Other common summer residents include the Vesper Sparrow and the Northern Oriole.

Tall Upland Shrub Communities - The overall winter bird density in the tall upland shrub community was 1.0 birds/ha with 10 species observed. The most abundant winter resident in upland shrub was the Black-billed Magpie. Other typical winter residents include Black-capped Chickadees, American Goldfinches, Song Sparrows, and House Finches. Summer residents included the Rufous-sided Towhee and the Red-winged Blackbird with the Song Sparrow being the most abundant species. The overall summer density in tall upland shrublands was 10 birds/ha with a species richness of 43. This was the highest summer density and richness value recorded at the Site in 1994.

Mesic Mixed Grassland Communities - Overall winter density in mesic grassland communities was 0.11 birds/ha. Four species were observed during the season, with the most abundant winter resident the Horned Lark (*Eremophila alpestris*). The average summer density was 3.8 birds/ha with a richness of 39 species. Common summer residents were Vesper Sparrows (most common), House Finches, and Western Meadowlarks.

Rehabilitation (Reclaimed) Mixed Grassland Communities - Six species of birds, with an overall density of 0.26 birds/ha, were recorded during winter surveys in this community. Flocks of migratory Canada Geese (*Branta canadensis*) were observed in flight over the survey routes during winter surveys, explaining the abundance of geese. Another common species was the Horned Lark. Summer residents included the Vesper Sparrow (most abundant species), the Western Meadowlark, and the Grasshopper Sparrow. The overall summer density was 2.7 birds/ha with a species richness of 30.

Xeric Mixed Grassland Communities - The overall winter bird density in the xeric grassland communities was 1.1 birds/ha with seven species observed. The most abundant winter resident in this community type was the Horned Lark. Canada Geese were observed flying over the survey transect in great numbers during the migration. They are not considered winter residents. Summer residents included Vesper Sparrows (most abundant species), Western Meadowlarks, Grasshopper Sparrows, and House Finches. The overall summer density was 3.1 birds/ha with a species richness of 30.

Disturbed Communities - Three species were recorded during the winter surveys with an overall density of 0.29 birds/ha. Species recorded during winter surveys were the American Tree Sparrow, the Horned Lark, and the Black-billed Magpie. Summer surveys documented an overall density of 0.98 birds/ha and a species richness of 13. The most abundant species was the Vesper Sparrow, with the Western Meadowlark and Rock Wren as notably common species.

Relative Abundance

Assessment of relative abundance is a qualitative means of determining species densities in various habitats. Relative abundance is based on numbers observed per unit time in a given habitat. Table 12 summarizes bird distribution by habitat, based on relative abundance figures from migratory bird surveys, relative abundance surveys, site-wide surveys, site-specific surveys, and fortuitous observations. This summary table presents relative abundance in appropriate habitats for each species, but does not estimate total numbers of each species inhabiting the Site. Some species are very habitat specific, while others are virtually ubiquitous.

General Observations

Several migratory bird species new to the Site were recorded during 1994. These sightings were made during relative abundance surveys or were recorded as fortuitous sightings. The new water birds included Franklin's Gull (*Larus pipixcan*), Greater Yellowlegs (*Tringa melanoleuca*), Wilson's Phalarope (*Phalaropus lobatus*), and American Avocet (*Recurvirostra americana*). The new passerine species was the Black-throated Gray Warbler (*Dendroica nigrescens*). These five new species brought to 167 the number of bird species that have been confirmed at the Site.

As a result of breeding bird surveys, relative abundance surveys, and fortuitous observations, the list of confirmed and suspected breeding bird species continued to grow. Confirmed breeding species are those species that have been observed building nests, tending eggs, tending young, or for which young, flightless nestlings have been observed. Suspected breeding species are those that have been observed carrying nesting material, food, or other such indicators of breeding activity without actual visual confirmation of the presence of a nest or young. The current list of breeding passerine species now encompasses 34 confirmed species and 21 species suspected of breeding on the Site (a total of 55).

TABLE 12. BIRD DISTRIBUTION BY HABITAT AT ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

Species Common Name	Species Scientific Name	Seasonal Abundance				Habitats					Breeding Status
		Sp	Su	Fa	Wi	GRA	DIS	SHR	WOD	MAR	
GULLS	LARIDAE										
Franklin's Gull*	<i>Larus pipixcan</i>			O							
Ring-billed Gull	<i>Larus delawarensis</i>	C	O	O	O	X		X		X	
AMERICAN VULTURES	CATHARTIDAE										
Turkey Vulture	<i>Cathartes aura</i>	O	O	O		X	X	X	X	X	
EAGLES AND HAWKS	ACCIPITRIDAE										
Sharp-shinned Hawk	<i>Accipiter striatus</i>	U		U		X	X	X	X		
Cooper's Hawk	<i>Accipiter cooperii</i>		O			X					
Northern Goshawk (4)	<i>Accipiter gentilis</i>				R	X					
Red-tailed Hawk	<i>Buteo jamaicensis</i>	C	C	C	C	X	X	X	X	X	Confirmed
Swainson's Hawk	<i>Buteo swainsoni</i>	U	U	O		X		X	X	X	Confirmed
Rough-legged Hawk	<i>Buteo lagopus</i>	O		C	C	X	X		X	X	
Ferruginous Hawk (4)	<i>Buteo regalis</i>	O	O	O	C	X	X	X	X	X	
Golden Eagle	<i>Aquila chrysaetos</i>	O	O	O	O	X	X	X	X	X	
Bald Eagle (5)	<i>Haliaeetus leucocephalus</i>			O	O	X				X	
Northern Harrier	<i>Circus cyaneus</i>	O	U	O	U	X	X	X	X	X	Suspected
FALCONS	FALCONIDAE										
Prairie Falcon	<i>Falco mexicanus</i>	O		O	O	X	X		X		
Peregrine Falcon (5)	<i>Falco peregrinus</i>	R		R	R	X					
Merlin	<i>Falco columbarius</i>	R			R				X		
American Kestrel	<i>Falco sparverius</i>	O	U	U	O	X	X	X	X	X	Confirmed
GROUSE AND TURKEYS	PHASIANIDAE										
Ring-necked Pheasant	<i>Phasianus colchicus</i>	U	U	U	U	X		X	X	X	Suspected
Wild Turkey	<i>Meleagris gallopavo</i>	R				X					
RAILS AND COOTS	RALLIDAE										
Virginia Rail	<i>Rallus limicola</i>	U								X	Suspected
Sora Rail	<i>Porzana carolina</i>		U							X	Suspected
American Coot	<i>Fulica americana</i>	U	U	U		X			X	X	Confirmed
PIGEONS AND DOVES	COLUMBIDAE										
Band-tailed Pigeon	<i>Columba fasciata</i>		O			X					Confirmed
Rock Dove	<i>Columba livia</i>	C	C	C	C	X	X		X	X	Confirmed
Mourning Dove	<i>Zenaida macroura</i>	C	C	C		X	X	X	X	X	Confirmed
OWLS	STRIGIDAE										
Great Horned Owl	<i>Bubo virginianus</i>	C	C	C	C	X	X	X	X	X	Confirmed
Long-eared Owl	<i>Asio otus</i>		O	O					X		
Short-eared Owl	<i>Asio flammeus</i>	O	O	O	O	X		X	X		
Burrowing Owl (4)	<i>Athene cunicularia</i>	R	R			X					
NIGHT JARS	CAPRIMULGIDAE										
Common Poorwill	<i>Phalaenoptilus nuttallii</i>		C			X					
Common Nighthawk	<i>Chordeiles minor</i>	U	U			X	X		X	X	Confirmed
HUMMINGBIRDS	TROCHILIDAE										
Broad-tailed Hummingbird	<i>Selasphorus platycercus</i>		O			X	X		X		Suspected
Rufous Hummingbird	<i>Selasphorus rufus</i>		O					X			
KINGFISHERS	ALCEDINIDAE										
Belted Kingfisher	<i>Ceryle alcyon</i>	O	O	O					X	X	
WOODPECKERS	PICIDAE										
Northern Flicker	<i>Colaptes auratus</i>	U	U	C	C	X	X	X	X		Suspected

TABLE 12. BIRD DISTRIBUTION BY HABITAT AT ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

Species Common Name	Species Scientific Name	Seasonal Abundance				Habitats					Breeding Status
		Sp	Su	Fa	Wi	GRA	DIS	SHR	WOD	MAR	
Red-naped Sapsucker	<i>Sphyrapicus nuchalis</i>			O					X		
Hairy Woodpecker	<i>Picoides villosus</i>			O					X		
Downy Woodpecker	<i>Picoides pubescens</i>		O	O	O				X		Suspected
TYRANT FLYCATCHERS	TYRANNIDAE										
Eastern Kingbird	<i>Tyrannus tyrannus</i>	O	C			X		X	X	X	Confirmed
Western Kingbird	<i>Tyrannus verticalis</i>	C	C	U		X	X		X	X	Confirmed
Scissor-tailed Flycatcher	<i>Tyrannus forficatus</i>	R				X					
Eastern Phoebe	<i>Sayornis phoebe</i>	R							X		
Say's Phoebe	<i>Sayornis saya</i>	C	C	U		X	X	X	X	X	Confirmed
Willow Flycatcher	<i>Empidonax traillii</i>	U							X		
Hammond's Flycatcher	<i>Empidonax hammondi</i>	U							X		
Dusky Flycatcher	<i>Empidonax oberholseri</i>	U		O					X	X	
Cordilleran Flycatcher	<i>Empidonax occidentalis</i>	U		R				X	X	X	
Western Flycatcher	<i>Empidonax difficilis</i>	U		O				X	X		
Western Wood-Pewee	<i>Contopus sordidulus</i>	U	U	O		X		X	X		
Olive-sided Flycatcher	<i>Contopus borealis</i>			O					X		
LARKS	ALAUDIDAE										
Horned Lark	<i>Eremophila alpestris</i>	U	O	U	C	X	X	X	X	X	Confirmed
SWALLOWS	HIRUNDINIDAE										
Violet-green Swallow	<i>Tachycineta thalassina</i>	U	U			X		X	X	X	Suspected
Tree Swallow	<i>Tachycineta bicolor</i>	C	C	O		X		X	X	X	Suspected
Northern Rough-winged Swallow	<i>Steigodopteryx serripennis</i>	O				X				X	
Barn Swallow	<i>Hirundo rustica</i>	C	A	U		X	X	X	X	X	Confirmed
Cliff Swallow	<i>Hirundo pyrrhonota</i>	U	C	U		X	X	X	X	X	Confirmed
CROWS, JAYS, MAGPIES	CORVIDAE										
Blue Jay	<i>Cyanocitta cristata</i>		U	U		X		X	X	X	
Black-billed Magpie	<i>Pica pica</i>	C	C	C	C	X	X	X	X	X	Confirmed
Common Raven	<i>Corvus corax</i>	U	O	O	U	X	X	X	X	X	Confirmed
American Crow	<i>Corvus brachyrhynchos</i>	O	O	O	O	X				X	
Pinyon Jay	<i>Gymnorhinus cyanocephalus</i>		O						X		
TITMICE	PARIDAE										
Black-capped Chickadee	<i>Parus atricapillus</i>	O	O	O	O			X	X		Confirmed
NUTHATCHES	SITIIDAE										
White-breasted Nuthatch	<i>Sitta carolinensis</i>	U							X		
WRENS	TROGLODYTIDAE										
House Wren	<i>Troglodytes aedon</i>	U	O	O		X		X	X		Suspected
Winter Wren	<i>Troglodytes troglodytes</i>			R				X			
Marsh Wren	<i>Cistothorus palustris</i>	U	U	U			X			X	Suspected
Rock Wren	<i>Salpinctes obsoletus</i>	C	C	U		X	X		X	X	
MUSCICAPIDS	MUSCICAPIDAE										
Golden-crowned Kinglet	<i>Regulus strapa</i>		R					X	X		
Ruby-crowned Kinglet	<i>Regulus calendula</i>			C					X		
Blue-gray Gnatcatcher	<i>Polioptila caerulea</i>	U		R				X	X		Confirmed
Mountain Bluebird	<i>Sialia currucoides</i>	U		U		X					
Townsend's Solitaire	<i>Myadestes townsendi</i>	U			O				X	X	
Swainson's Thrush	<i>Catharus ustulatus</i>		U					X			
American Robin	<i>Turdus migratorius</i>	C	C	U	O	X	X	X	X	X	Confirmed

TABLE 12. BIRD DISTRIBUTION BY HABITAT AT ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

Species Common Name	Species Scientific Name	Seasonal Abundance				Habitats					Breeding Status
		Sp	Su	Fa	Wi	GRA	DIS	SHR	WOD	MAR	
SHRIKES	LANIIDAE										
Loggerhead Shrike (3)	<i>Lanius ludovicianus</i>	U	O	O	O	X	X	X	X	X	Suspected
Northern Shrike	<i>Lanius excubitor</i>				O				X		
THRASHERS	MIMIDAE										
Gray Catbird	<i>Dumetella carolinensis</i>	U	U					X			Suspected
Sage Thrasher	<i>Oreoscoptes montanus</i>	U	U	U		X	X	X	X		Suspected
WAXWINGS	BOMBYCILLIDAE										
Bohemian Waxwing	<i>Bombycilla garrulus</i>				U			X			
STARLINGS	STURNIDAE										
European Starling	<i>Sturnus vulgaris</i>	C	A	C	U	X	X	X	X	X	Confirmed
VIREOS	VIREONIDAE										
Solitary Vireo	<i>Vireo solitarius</i>		.	O					X		
Warbling Vireo	<i>Vireo gilvus</i>	U	U						X		Suspected
WOOD WARBLERS	PARULINAE										
Virginia's Warbler	<i>Vermivora virginiae</i>			R				X			
Yellow-rumped Warbler	<i>Dendroica coronata</i>	C	O	C					X		
Black-throated Gray Warbler*	<i>Dendroica nigrescens</i>				R				X		
Townsend's Warbler	<i>Dendroica townsendi</i>			O						X	
Palm Warbler	<i>Dendroica palmarum</i>			R		X				X	
Yellow Warbler	<i>Dendroica petechia</i>	C	C	C		X		X	X	X	Confirmed
MacGillivray's Warbler	<i>Opornis tolmiei</i>			U		X		X	X	X	
Wilson's Warbler	<i>Wilsonia pusilla</i>			U				X	X	X	
Ovenbird	<i>Seiurus aurocapillus</i>	R						X	X		
Common Yellowthroat	<i>Geothlypis trichas</i>	U	C	C		X		X	X	X	Confirmed
Yellow-breasted Chat	<i>Icteria virens</i>	U						X	X		Suspected
TANAGERS	THRAUPINAE										
Western Tanager	<i>Piranga ludoviciana</i>	U		U					X		
GROSBEAKS AND ALLIES	CARDINALINAE										
Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>			O					X		
Blue Grosbeak	<i>Guiraca caerulea</i>	U	C	U		X		X	X		Confirmed
Indigo Bunting	<i>Passerina cyanea</i>	O	O						X		
Lazuli Bunting	<i>Passerina amoena</i>	O	O					X	X		
TOWHEES AND SPARROWS	EMBERIZINAE										
Green-tailed Towhee	<i>Pipilo chlorurus</i>	U	U	O				X	X		Suspected
Rufous-sided Towhee	<i>Pipilo erythrophthalmus</i>	C	C	C	O	X	X	X	X	X	Confirmed
Grasshopper Sparrow	<i>Ammodramus savannarum</i>	C	C	U		X	X	X		X	Confirmed
Baird's Sparrow (4)	<i>Ammodramus bairdii</i>	R		R		X		X			
Vesper Sparrow	<i>Pooecetes gramineus</i>	A	A	C		X	X	X	X	X	Confirmed
Savannah Sparrow	<i>Passerculus sandwichensis</i>	U	O	O		X	X	X	X	X	Suspected
Song Sparrow	<i>Melospiza melodia</i>	C	C	C	U	X	X	X	X	X	Confirmed
Lark sparrow	<i>Chondestes grammacus</i>		O	O				X		X	Suspected
American Tree Sparrow	<i>Spizella arborea</i>	U		U	C	X	X	X	X	X	
Chipping Sparrow	<i>Spizella passerina</i>	U	U	C	O	X	X	X	X	X	
Clay-colored Sparrow	<i>Spizella pallida</i>			U	U	X			X	X	
Brewer's Sparrow	<i>Spizella breweri</i>		U	C		X		X	X	X	
Dark-eyed Junco	<i>Junco hyemalis</i>	U	U	U	O	X		X	X	X	Suspected
Harris's Sparrow	<i>Zonotrichia querula</i>				R				X		

TABLE 12. BIRD DISTRIBUTION BY HABITAT AT ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE

Species Common Name	Species Scientific Name	Seasonal Abundance				Habitats					Breeding Status
		Sp	Su	Fa	Wi	GRA	DIS	SHR	WOD	MAR	
White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	C		C		X		X	X		
Lincoln's Sparrow	<i>Melospiza lincolni</i>	U		U					X	X	
Lapland Longspur	<i>Calcarius lapponicus</i>				O	X					
Lark Bunting	<i>Calamospiza melanocorys</i>	O	O	O		X	X				
MEADOWLARKS, BLACKBIRDS	AGELAIINI										
Western Meadowlark	<i>Sturnella neglecta</i>	A	A	A	O	X	X	X	X	X	Confirmed
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>	C	C						X	X	Confirmed
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	A	A	C	U	X	X	X	X	X	Confirmed
Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	C	U	O		X	X	X	X	X	Confirmed
Common Grackle	<i>Quiscalus quiscula</i>	U	C	O		X	X	X	X	X	Confirmed
Brown-headed Cowbird	<i>Molothrus ater</i>	U	C			X		X	X	X	Suspected
Northern Oriole	<i>Icterus galbula</i>	C	C			X		X	X	X	Confirmed
OLD WORLD SPARROWS	PASSERIDAE										
House Sparrow	<i>Passer domesticus</i>	C	C	C	C	X	X		X		Confirmed
FINCHES	CARDUELINAE										
Pine Siskin***	<i>Carduelis pinus</i>	U	O	O	O	X		X	X	X	
American Goldfinch	<i>Carduelis tristis</i>	C	A	C	O	X	X	X	X	X	Confirmed
Lesser Goldfinch	<i>Carduelis psaltria</i>	O	U	O		X	X	X	X		Suspected
Cassin's Finch	<i>Carpodacus cassinii</i>	R						X			
House Finch	<i>Carpodacus mexicanus</i>	A	A	A	U	X	X	X	X	X	Confirmed

DEFINITIONS

SEASONS

Sp = Spring
Su = Summer
Fa = Fall
Wi = Winter

HABITATS

GRA = Grassland
DIS = Disturbed
SHR = Shrubland
WOD = Woodland
MAR = Marshland

RELATIVE ABUNDANCE

A = Abundant
C = Common
U = Uncommon
O = Occasional
R = Rare **
(In appropriate habitat for species)

NOTES

- * Indicates a species not recorded on Rocky Flats before 1994.
- ** Rare indicates that the species was seldom observed at Rocky Flats
- *** Pine Siskins were common during the Baseline Study, but numbers using the Site have declined since the Musk Thistles have been brought under control, thereby removing the food source.
- (1) Revised from Baseline Characterization
- (2) A Colorado Species of Special Concern
- (3) Loggerhead Shrike is still considered a candidate by USFWS Region 6, though removed from the list.
- (4) Candidate species for listing as a federal threatened or endangered species
- (5) Federal threatened or endangered species

3.3.2 Waterfowl and Wading Birds (Waterbirds)

The majority of the 22 species of waterfowl species and wading birds were observed primarily around all Site impoundments during 1994. Some puddle ducks, such as Mallards (*Anas platyrhynchos*) were observed in pools, at seeps, and along creeks. Great Blue Herons (*Ardea herodias*) were observed on impoundment mudflats, ditches, short marshland, and wet meadows. During the spring migration 21 species of waterbirds were recorded at the Site. Fall migration produced records of 11 species of waterbirds. Waterfowl in spring migration frequently move to the northern-most open water and congregate at such locations until the thaw progresses farther. This causes seasonal concentrations of waterfowl at certain locations for short periods. This seasonal concentration of waterfowl occurs at some of the Site's impoundments, producing observations of large numbers of mixed species flocks. The fall migration period seldom produces similar concentrations of waterbirds at the Site. This may be due to the birds' strong urge to outrun severe winter weather once the migration is on.

The most common waterfowl at the Site were Mallards, with 1,089 individual observations recorded year-round. The second most common species at the Site was the Canada Goose (*Branta canadensis*) (679 individual observations), also recorded year-round. Double-crested Cormorants (*Phalacrocorax auritus*) were the most common summer-season waterfowl, followed by Blue-winged Teal (*Anas discors*), American Coot (*Fulcia americana*), Pied-billed Grebe (*Podilymbus podiceps*), and Green-winged Teal (*Anas crecca*). Other species were recorded in smaller numbers during the summer season. The most common wading bird at the Site was the Great Blue Heron which was recorded 62 times. Black-crowned Night-herons (*Nycticorax nycticorax*) were more common in previous years, probably due to the juveniles that were raised at the Site during 1994. Gadwalls (*Anas strepera*) were the most numerous species recorded during migration, followed by Buffleheads (*Bucephala albeola*), Redheads (*Aythya americana*), and Ring-necked Ducks (*Aythya collaris*). A variety of other waterbird species were also recorded during migration.

Brood counts confirmed breeding at the Site of Mallards, American Coots, Gadwalls, Pied-billed Grebes, and Blue-winged Teal during 1994. The presence of a pair of Black-crowned Night-herons at Pond D-1 during the 1994 breeding season, and the subsequent discovery of two very young juveniles suggests that the pair may have nested in that vicinity, though this was not confirmed. Observations during 1994 raised the number of confirmed breeding waterfowl species to eight.

Relative abundance for all observed bird species is presented in Table 12, while seasonal use of habitats by waterfowl and wading birds is summarized in Table 13. Table 14 presents a summary of waterbirds using each impoundment on the Site. A full data record for this taxonomic group and all other significant species is presented in Appendix A.

TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/02/94	1105	AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			2				2
05/02/94	1140	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
05/03/94	815	AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			2				2
05/20/94	804	AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			1				1
05/20/94	735	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4				4
05/26/94	1056	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4				4
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	14				14
06/01/94	1413	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			3				3
06/13/94	1431	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
06/20/94	800	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2				2
06/30/94	1227	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2		1	1	
06/30/94	1227	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			3		1	2	
06/30/94	1227	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			7		1	6	
07/01/94	900	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			19		2	13	4
07/13/94	740	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2		1	1	
07/13/94	740	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2		1	1	
07/13/94	740	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			6		1	5	
07/13/94	740	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4		1	3	
07/25/94	808	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			5		1		4
08/09/94	2010	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	0		4	OPEN SHALLOW WATER	54			7				7
08/23/94	830	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1			1	
08/29/94	816	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			16				16
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	63		10	32	21
09/13/94	1101	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			8				8
10/07/94	1054	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4				4
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	12				12
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	89				
05/20/94	804	AMERICAN WHITE PELICAN	PEER1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			2	1	1		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	2				
05/04/94	895	AMERICAN WHITE PELICAN	PEER1	EA			INDIANA/96TH			1		2	MESIC MIXED GRASSLAND	322			8				8
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	8				8
03/18/94	1420	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			14	7	7		
03/30/94	1040	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			9				9
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																	23	7	7		9
05/02/94	1147	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/03/94	1233	AMERICAN WIGEON	ANAM1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	4	2	2		
08/23/94	830	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4				4
08/29/94	816	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	5				5
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	32				
05/26/94	1416	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND A-4	OU6		12	O	5		2	OPEN SHALLOW WATER	54			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	1				1
06/20/94	635	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1				1

BZ = Bulfor Zono
 1A = Industrial Area
 EA = Extended Obs. Area

TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
07/01/94	1005	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				1
07/01/94	900	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			1				1
07/01/94	900	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
08/16/94		BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-1	OU5		7	N	5		4	OPEN SHALLOW WATER	54			2				2
08/16/94		BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-2	OU5		7	P	5	1	4	OPEN SHALLOW WATER	54	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	7				7
06/01/94	1425	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	0		2	IMPOUNDMENT EDGE MUDFLAT	93			2				1
07/25/94	755	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	S	0		2	MUDFLAT	93			1				1
08/09/94	2015	BLACK-CROWNED NIGHT HERON	NYNY1	BZ				3	R	0		4	MUDFLAT	93			3				2
08/16/94		BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	5		4	MUDFLAT	93			2				3
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	8				3
06/28/94	1458	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	RA02B	OU6		11	P	0		2	BOTTOMLAND SHRUBLAND	210			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	1				1
05/20/94	804	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	0		2	DAM RIPRAP	530			1				
05/24/94	1120	BLACK-CROWNED NIGHT HERON	NYNY1	BZ				3	R	0		2	DAM RIPRAP	530			2				
05/26/94	1035	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	S	0		2	DAM RIPRAP	530			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	4				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	21				
03/04/94	800	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1			1
03/18/94	1420	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4	2			2
05/02/94	1140	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4	2			2
05/03/94	1233	BLUE-WINGED TEAL	AND11	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			2	1			1
05/04/94	950	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1			1
05/20/94	1006	BLUE-WINGED TEAL	AND11	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			2	1			1
05/20/94	1006	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			6	3			3
05/20/94	735	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
05/24/94	735	BLUE-WINGED TEAL	AND11	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	1			1
05/28/94	1058	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			25	13			12
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	2				1
06/01/94	1328	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			2	1			1
06/01/94	1413	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			3	2			1
06/10/94	1104	BLUE-WINGED TEAL	AND11	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1				1
06/13/94	1405	BLUE-WINGED TEAL	AND11	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			2	1			1
06/13/94	1431	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
06/13/94	950	BLUE-WINGED TEAL	AND11	BZ	POND A-4			12	O	5		2	OPEN SHALLOW WATER	54			1	1			
06/13/94	950	BLUE-WINGED TEAL	AND11	BZ	POND A-2			12	O	5		2	OPEN SHALLOW WATER	54			2	1			1
06/13/94	950	BLUE-WINGED TEAL	AND11	BZ	POND A-2			12	O	5		2	OPEN SHALLOW WATER	54			2	2			
06/20/94	800	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
06/23/94	940	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			1	1			
06/28/94	1432	BLUE-WINGED TEAL	AND11	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1	1			
06/29/94	647	BLUE-WINGED TEAL	AND11	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1	1			
06/30/94	1232	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1			1
07/01/94	800	BLUE-WINGED TEAL	AND11	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			4	2			2
07/01/94	800	BLUE-WINGED TEAL	AND11	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			1	1			
07/01/94	800	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11				1
07/01/94	800	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			1
07/01/94	800	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			10

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TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
07/25/94	808	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			4				
08/09/94	1950	BLUE-WINGED TEAL	AND11	BZ	POND C-2	OU5		7	P	0			4 OPEN SHALLOW WATER	54			1		1		
08/23/94	914	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5			2 OPEN SHALLOW WATER	54			4				
08/23/94	830	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			2				
08/24/94	743	BLUE-WINGED TEAL	AND11	BZ	POND A-1	OU6		11	N	5			2 OPEN SHALLOW WATER	54			6				
08/24/94	846	BLUE-WINGED TEAL	AND11	BZ	POND B-3	OU6		10	O	5			2 OPEN SHALLOW WATER	54			4				
08/29/94	752	BLUE-WINGED TEAL	AND11	BZ	POND D-1			3	R	5			2 OPEN SHALLOW WATER	54			5				
08/29/94	816	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			5				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	68	17	11	10	3
10/07/94	1054	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			8				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	8				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	101				
03/18/94	1420	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			6	3	3		
03/30/94	1040	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5	0		2 OPEN SHALLOW WATER	54			6				
05/02/94	1147	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			2	1	1		
05/04/94	950	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	16	5	5		
10/14/94	1023	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			6	3	3		
10/28/94	724	BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	Q	5			2 OPEN SHALLOW WATER	54			13	3	10		
10/28/94	927	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			20	10	10		
11/08/94	840	BUFFLEHEAD	BUAL1	BZ	POND A-5	OU6		12	Q	5			2 OPEN SHALLOW WATER	54			14	3			
11/14/94	1342	BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	Q	5			2 OPEN SHALLOW WATER	54	OPEN MID-DEPTH WATER	55	13	4	9		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	66	23	32		
10/28/94	1003	BUFFLEHEAD	BUAL1	BZ	POND C-2	OU5		7	P	5			2 OPEN MID-DEPTH WATER	55			2	2			
11/28/94	1106	BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	P	5			2 OPEN MID-DEPTH WATER	55			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	3	3			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	85				
11/21/94	825	CANADA GOOSE	BRCA1	BZ	RA01B			12	F	1			2 WET MEADOW	10			25				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	25				
11/21/94	828	CANADA GOOSE	BRCA1	BZ	RA01B			11	E	1			2 SHORT MARSH	20			5				
11/21/94	756	CANADA GOOSE	BRCA1	BZ	RA01B			13	H	1			2 SHORT MARSH	20			9				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	14				
03/17/94	1015	CANADA GOOSE	BRCA1	BZ		OU6		12	P	0			2 OPEN SHALLOW WATER	54			4	2	2		
03/18/94	1545	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	5			2 OPEN SHALLOW WATER	54			2				
03/18/94	1555	CANADA GOOSE	BRCA1	BZ	POND B-5	OU6		11	Q	0			2 OPEN SHALLOW WATER	54			2	1	1		
03/18/94	1411	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	5	0		2 OPEN SHALLOW WATER	54			2				
03/18/94	1420	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			6	3	3		
03/25/94	1100	CANADA GOOSE	BRCA1	BZ	POND A-3			12	P	5			2 OPEN SHALLOW WATER	54			2	1	1		
03/25/94	1100	CANADA GOOSE	BRCA1	BZ	POND A-2			12	O	5			2 OPEN SHALLOW WATER	54			2	1	1		
03/30/94	1040	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5	0		2 OPEN SHALLOW WATER	54			5				
03/31/94	1608	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	0			2 OPEN SHALLOW WATER	54			2				
03/31/94	1645	CANADA GOOSE	BRCA1	BZ	POND B-1	OU6		10	O	5			2 OPEN SHALLOW WATER	54			2				
03/31/94	1626	CANADA GOOSE	BRCA1	BZ	POND B-5	OU6		11	Q	0			2 OPEN SHALLOW WATER	54			2				
05/03/94	1205	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	0			2 OPEN SHALLOW WATER	54			3				

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/03/94	900	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	0		2	OPEN SHALLOW WATER	54			6				
05/03/94	815	CANADA GOOSE	BRCA1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			5				
05/04/94	910	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	0		2	OPEN SHALLOW WATER	54			3				
05/04/94	950	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/16/94		CANADA GOOSE	BRCA1	BZ	BA01R			12	G	0		2	OPEN SHALLOW WATER	54			3				
05/20/94	1000	CANADA GOOSE	BRCA1	BZ	POND B-2	OU6		10	O	0		2	OPEN SHALLOW WATER	54			2				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
07/19/94	1300	CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	0	12	2	OPEN SHALLOW WATER	54			9				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																					
10/07/94	1054	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
03/04/94	800	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	0		2	MUDFLAT	93			4				
03/04/94	725	CANADA GOOSE	BRCA1	BZ		OU6		11	Q	0		2	MUDFLAT	93			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
05/24/94	655	CANADA GOOSE	BRCA1	BZ	RW01A			7	O	1		2	DECIDUOUS WOODLAND	110			3				
05/24/94	820	CANADA GOOSE	BRCA1	BZ	RW01A			7	K	1		2	DECIDUOUS WOODLAND	110			2				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
11/14/94	1307	CANADA GOOSE	BRCA1	BZ	RA02B	OU6		11	M	1		2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	22				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
04/29/94		CANADA GOOSE	BRCA1	BZ	BD03B			4	O	1		2	BOTTOMLAND SHRUBLAND	210			3				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
10/07/94	928	CANADA GOOSE	BRCA1	BZ	RS03B			5	Q	1		2	BOTTOMLAND SHRUBLAND	210			15				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
11/21/94	720	CANADA GOOSE	BRCA1	BZ	BS02B			14	J	1		2	TALL UPLAND SHRUBLAND	230			25				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
12/13/94	1515	CANADA GOOSE	BRCA1	BZ		OU1		8	L	1		2	MESIC MIXED GRASSLAND	322	DISTURBED/BARREN LANDS	420	30				
02/28/94	948	CANADA GOOSE	BRCA1	BZ		OU11		8	G	1		2	MESIC MIXED GRASSLAND	322			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																					
03/31/04	1550	CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	0		2	MESIC MIXED GRASSLAND	322			2				
05/03/94	1211	CANADA GOOSE	BRCA1	BZ	RA02A	OU6		12	P	1		2	MESIC MIXED GRASSLAND	322			2				
05/04/94	835	CANADA GOOSE	BRCA1	BZ	BR01A			7	N	1		2	MESIC MIXED GRASSLAND	322			3				
05/20/94	948	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	0		2	MESIC MIXED GRASSLAND	322			4				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																					
11/14/94	830	CANADA GOOSE	BRCA1	BZ	BA01A			7	K	1		2	MESIC MIXED GRASSLAND	322			7				
11/14/94	800	CANADA GOOSE	BRCA1	BZ	BG02A			7	K	1		2	MESIC MIXED GRASSLAND	322			26				
11/14/94	837	CANADA GOOSE	BRCA1	BZ	BG02A			8	N	1		2	MESIC MIXED GRASSLAND	322			27				
11/15/94	834	CANADA GOOSE	BRCA1	BZ				13	F	1		2	MESIC MIXED GRASSLAND	322			15				
11/15/94	933	CANADA GOOSE	BRCA1	BZ	BG01R			15	O	1		2	MESIC MIXED GRASSLAND	322			100				
11/21/94	904	CANADA GOOSE	BRCA1	BZ	BX02R			14	J	1		2	MESIC MIXED GRASSLAND	322			3				
11/22/94	028	CANADA GOOSE	BRCA1	BZ				10	H	1		2	MESIC MIXED GRASSLAND	322			63				
11/28/94	946	CANADA GOOSE	BRCA1	BZ				5	T	1		2	MESIC MIXED GRASSLAND	322			5				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																					
02/28/94		CANADA GOOSE	BRCA1	BZ	BX01L			11	F	1		2	MESIC MIXED GRASSLAND	323			111				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																					
																		111			

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT- IVTY 1	ACT- IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
03/04/94	702	CANADA GOOSE	BRCA1	BZ				16	M	1		2	XERIC MIXED GRASSLAND	323			5				5	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		5				5
11/21/94	840	CANADA GOOSE	BRCA1	BZ	BD01L			12	G	1		2	XERIC MIXED GRASSLAND	323			16				16	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																		16				16
12/15/94	800	CANADA GOOSE	BRCA1	BZ	BD02B			3	U	1		2	RECLAIMED MIXED GRASSLAND	324			24				24	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																		24				24
03/18/94	1545	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	5		2	RECLAIMED MIXED GRASSLAND	324			2				2	
05/04/94	930	CANADA GOOSE	BRCA1	BZ	BD03B			3	Q	1		2	RECLAIMED MIXED GRASSLAND	324			3				3	
05/20/94	711	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	5		2	RECLAIMED MIXED GRASSLAND	324			2				2	
05/20/94	712	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	1		2	RECLAIMED MIXED GRASSLAND	324			3				3	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		10				10
08/25/94		CANADA GOOSE	BRCA1	BZ	BD02B			2	T	1		2	RECLAIMED MIXED GRASSLAND	324			30				30	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		30				30
10/07/94	935	CANADA GOOSE	BRCA1	BZ	BD03B			4	R	1		2	RECLAIMED MIXED GRASSLAND	324			15				15	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																		15				15
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		679				679
05/20/94	1025	CANADA GOOSE	BRCA1	EA			96TH WALKIRE			16		2	STREAM CHANNEL	42			7				7	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		7				7
12/14/94	1456	CANADA GOOSE	BRCA1	EA						0		2	MUDFLAT	93			16				16	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																		16				16
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																		23				23
03/25/94	1100	CANVASBACK	AYVA1	BZ	POND A-3			12	P	5		2	OPEN SHALLOW WATER	54			1			1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1			1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		1				1
05/02/94	1117	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			8	4		.4		
05/20/94	735	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	2				
05/24/94	735	CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	1		1		
05/28/94	1056	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	2				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		14	9		5	
08/10/94	1016	CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	1		1		
06/15/94	750	CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	1		1		
06/20/94	800	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1		1		
07/13/94	740	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1				
07/13/94	740	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1				
08/23/94	630	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4				4	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		12	5		3	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		26				26
03/02/94	1235	COMMON GOLDENEYE	BUCL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			2				2	
03/04/94	808	COMMON GOLDENEYE	BUCL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			3	2		1		
03/04/94	800	COMMON GOLDENEYE	BUCL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			14	1			13	
03/18/94	1645	COMMON GOLDENEYE	BUCL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1			1		
03/18/94	1420	COMMON GOLDENEYE	BUCL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			20	10		10		
03/25/94	1100	COMMON GOLDENEYE	BUCL1	BZ	POND A-2			12	O	5		2	OPEN SHALLOW WATER	54			1	1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		41	14		12	

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03/04/94	722	COMMON GOLDENEYE	BUCL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN MID-DEPTH WATER	55			3	3			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		3	3		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		44			
03/18/94	1435	COMMON MERGANSER	MEME1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			2		2		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		2		2	
06/27/94	800	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BAQIR			12	F	1		2	SHORT MARSH	20			2				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		2			
05/18/94	738	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				
05/20/94	948	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	0		2	OPEN SHALLOW WATER	54			6				
05/20/94	944	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			2				
05/26/94	1411	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5	0	2	OPEN SHALLOW WATER	54			4				
05/26/94	1416	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54	OPEN MID-DEPTH WATER	55	3				
05/26/94	1054	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		17			
06/01/94	1320	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			4				
06/01/94	1320	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			3				
06/01/94	1335	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			1				
06/01/94	1355	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1				
06/13/94	1405	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			6				
06/13/94	950	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4			12	Q	5		2	OPEN SHALLOW WATER	54			1				
06/13/94	950	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3			12	P	5		2	OPEN SHALLOW WATER	54			11				
06/14/94	850	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			5				
06/14/94	630	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-1	OU6		10	Q	5		2	OPEN SHALLOW WATER	54			5				
06/16/94	1425	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			2				
06/20/94	635	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1				
06/22/94	636	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			5				
06/23/94	940	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				
06/24/94	634	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			4				
06/24/94	634	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				
06/28/94	1432	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			10				
06/28/94	1448	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			0		1	7	
06/29/94	647	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	0		2	OPEN SHALLOW WATER	54			4				
07/01/94	1005	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			2				
07/01/94	900	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1				
07/01/94	800	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				
07/13/94	645	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1				
07/18/94	1300	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	0		2	OPEN SHALLOW WATER	54			1				
07/29/94	804	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				
07/29/94	822	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54	OPEN MID-DEPTH WATER	55	2				
08/24/94	802	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				
08/24/94	827	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			2				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		85		1	7
05/04/94	010	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	5		2	OPEN MID-DEPTH WATER	55			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1			

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TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY1	ACT-IVTY2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLAS	
08/22/94	1356	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	5		2	OPEN MID-DEPTH WATER			55		4				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		4				
06/24/94	1416	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	RD02B			8	C	5		2	OPEN WATER EXCAVATION			58		1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1				
06/28/94	1447	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	0		2	MUDFLAT			93		3				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		3				
08/24/94	827	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	0		2	MUDFLAT			93		4				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		4				
06/22/94		DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B			13	T	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND		322	1				
06/24/94		DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01A			7	K	1		2	DECIDUOUS WOODLAND	110				1				
06/28/94		DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B			13	S	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND		322	1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		3				
06/20/94		DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BS03B			4	T	1		2	BOTTOMLAND SHRUBLAND	210				1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1				
05/16/94	840	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B	OU6		13	U	1		2	MESIC MIXED GRASSLAND	322				1				
06/14/94	1043	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	RW01B	OU6		13	U	1		2	MESIC MIXED GRASSLAND	322				1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		2				
05/20/94	712	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	1		2	RECLAIMED MIXED GRASSLAND	324				1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1				
06/24/94	805	DOUBLE-CRESTED CORMORANT	PHAU1	BZ		OU1		8	L	1		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND		322	1			1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		1				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		125				
03/18/94	1420	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				2	1	1		
03/30/94	1040	GADWALL	ANST1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54				68				
05/02/94	1117	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				26	13	13		
05/03/94	1157	GADWALL	ANST1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54				8	4	4		
05/03/94	1233	GADWALL	ANST1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54				2	1	1		
05/04/94	850	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				41				
05/20/94	1006	GADWALL	ANST1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54				2		1	1	
05/20/94	735	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				13	7	6		
05/26/94	1105	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				8				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		162	26	26	1	
06/01/94	1413	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				16	4	1	11	
06/13/94	1405	GADWALL	ANST1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54				2	1	1		
06/13/94	1431	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				3	1	2		
06/13/94	950	GADWALL	ANST1	BZ	POND A-2			12	O	5		2	OPEN SHALLOW WATER	54				2	1	1		
06/16/94	1420	GADWALL	ANST1	BZ	POND A-1	OU6		12	N	5		2	OPEN SHALLOW WATER	54				2	1	1		
06/20/94	800	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				10	2	1	7	
07/01/94	900	GADWALL	ANST1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54				1		1		
07/13/94	740	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				5			5	
07/13/94	740	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54				5			5	
07/29/94	804	GADWALL	ANST1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54				1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		47	11	9	28	
09/13/94	1045	GADWALL	ANST1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54				4				

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DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
10/07/94	1054	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2				2
10/14/94	1023	GADWALL	ANST1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
10/28/94	927	GADWALL	ANST1	BZ	POND D 2			2	T	5		2	OPEN SHALLOW WATER	54			21	17	4		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	28	18	4		6
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	237				
06/27/94	718	GREAT BLUE HERON	ARHE1	BZ	BA01R			13	H	5		2	SHORT MARSH	20			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	1				1
06/24/94	1252	GREAT BLUE HERON	ARHE1	BZ	RA01B			13	G	5		2	TALL MARSH	30			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	1				1
07/13/94	632	GREAT BLUE HERON	ARHE1	BZ	SID			8	P	1		2	DITCH POOL	47	TALL MARSH	30	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	1				1
03/31/94	1608	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	1				1
05/04/94	1515	GREAT BLUE HERON	ARHE1	BZ	RW01B	OU6		13	U	5		2	OPEN SHALLOW WATER	54			1				1
05/20/94	944	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				1
05/20/94	1000	GREAT BLUE HERON	ARHE1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			2				2
05/20/94	711	GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			2				2
05/24/94	1120	GREAT BLUE HERON	ARHE1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
05/26/94	1416	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	8				8
06/01/94	1320	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				1
06/01/94	1335	GREAT BLUE HERON	ARHE1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			1				1
06/01/94	1335	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			1				1
06/01/94	1413	GREAT BLUE HERON	ARHE1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
06/13/94	945	GREAT BLUE HERON	ARHE1	BZ	LANDFILL			12	L	5		2	OPEN SHALLOW WATER	54			1				1
06/14/94	850	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				1
06/14/94	1038	GREAT BLUE HERON	ARHE1	BZ	RW01B	OU6		13	U	5		2	OPEN SHALLOW WATER	54			1				1
06/15/94	654	GREAT BLUE HERON	ARHE1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			1				1
06/16/94	1425	GREAT BLUE HERON	ARHE1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			1				1
06/16/94	1410	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			1				1
06/23/94	835	GREAT BLUE HERON	ARHE1	BZ				7	N	5		2	OPEN SHALLOW WATER	54			1				1
06/24/94	634	GREAT BLUE HERON	ARHE1	BZ	POND A-2	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				1
06/24/94	800	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			1				1
06/28/94	1443	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1				1
07/01/94	1005	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			1				1
07/01/94	1005	GREAT BLUE HERON	ARHE1	BZ				8	C	5		2	OPEN SHALLOW WATER	54			1				1
07/01/94	1005	GREAT BLUE HERON	ARHE1	BZ				11	E	5		2	OPEN SHALLOW WATER	54			1				1
07/19/94	1300	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				1
07/25/94	808	GREAT BLUE HERON	ARHE1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1				1
07/29/94	804	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				1
07/29/94	809	GREAT BLUE HERON	ARHE1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			1				1
08/03/94	1550	GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P	1		2	OPEN SHALLOW WATER	54			1				1
08/09/94	2145	GREAT BLUE HERON	ARHE1	BZ				7	N	5		4	OPEN SHALLOW WATER	54			1				1
08/16/94		GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P	5		4	OPEN SHALLOW WATER	54			1				1

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08/23/94	915	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1					
08/23/94	637	GREAT BLUE HERON	ARHE1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			1					
08/29/94	752	GREAT BLUE HERON	ARHE1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		27				
09/21/94	1556	GREAT BLUE HERON	ARHE1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																		1				
06/28/94	1445	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	MUDFLAT	93			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																		1				
08/04/94	820	GREAT BLUE HERON	ARHE1	BZ	BW01A			7	N	5		2	IMPOUNDMENT MUDFLAT	93			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		1				
08/24/94	818	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	5		2	MUDFLAT	93			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		1				
06/10/94	1050	GREAT BLUE HERON	ARHE1	BZ	RW01A			7	O	1		2	DECIDUOUS WOODLAND	110			2					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		2				
06/28/94	1458	GREAT BLUE HERON	ARHE1	BZ	RA02B	OU6		11	P	5		2	BOTTOMLAND SHRUBLAND	210			1					
07/29/94	853	GREAT BLUE HERON	ARHE1	BZ	RA02B	OU6		11	P	5		2	BOTTOMLAND SHRUBLAND	210			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		4				
06/01/94	1525	GREAT BLUE HERON	ARHE1	BZ				13	F	1		2	TALL UPLAND SHRUBLAND	230			1					
06/07/94		GREAT BLUE HERON	ARHE1	BZ	BS01B			14	G	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		2				
03/31/94	1334	GREAT BLUE HERON	ARHE1	BZ	RA01B			11	E	1		2	MESIC MIXED GRASSLAND	322			1					
04/04/94	1130	GREAT BLUE HERON	ARHE1	BZ	RW01A			7	L	1		2	MESIC MIXED GRASSLAND	322			1					
04/25/94		GREAT BLUE HERON	ARHE1	BZ	BA01A			7	K	1		2	MESIC MIXED GRASSLAND	322			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		4				
06/01/94	1602	GREAT BLUE HERON	ARHE1	BZ				10	G	1		2	MESIC MIXED GRASSLAND	322			1					
06/15/94		GREAT BLUE HERON	ARHE1	BZ	BG01R			15	P	1		2	MESIC MIXED GRASSLAND	322			1					
06/22/94	710	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	O	1		2	MESIC MIXED GRASSLAND	322			1					
07/12/94	920	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	O	1		2	MESIC MIXED GRASSLAND	322			1					
07/12/94	820	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	P	1		2	MESIC MIXED GRASSLAND	322			1					
08/16/94	740	GREAT BLUE HERON	ARHE1	BZ	BA01R			12	F	1		2	MESIC MIXED GRASSLAND	322			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		6				
06/09/94		GREAT BLUE HERON	ARHE1	BZ	BX01B			12	S	1		2	XERIC MIXED GRASSLAND	323			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		1				
05/04/94	840	GREAT BLUE HERON	ARHE1	BZ	BD03B			3	Q	1		2	RECLAIMED MIXED GRASSLAND	324			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1				
06/13/94		GREAT BLUE HERON	ARHE1	BZ	BD02B			3	T	1		2	RECLAIMED MIXED GRASSLAND	324			1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																		1				
05/20/94	1008	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	0		2	FENCE POST	560	MESIC MIXED GRASSLAND	322	1					
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																		1				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																		62				
05/20/94	1054	GREAT BLUE HERON	ARHE1	EA						1		2	MESIC MIXED GRASSLAND	322			1					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																		1				
03/25/94	1100	GREATER SCAUP	AYMA1	BZ	POND A-3			12	P	5		2	OPEN SHALLOW WATER	54			2	1	1			
03/31/94	1616	GREATER SCAUP	AYMA1	BZ	POND A-4	OU6		12	Q	5		2	OPEN MID-DEPTH WATER	55			14	10	4			

BZ = Buller Zone
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TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLAS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	16	11	5		
04/18/94	745	GREATER SCAUP	AYMA1	BZ	BA01R			13	H	5		2	OPEN SHALLOW WATER	54			2	2			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	2	2			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	18				
03/30/94	1040	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			8				
03/31/94	1556	GREEN-WINGED TEAL	ANCR1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			8	6	2		
03/31/94	1608	GREEN-WINGED TEAL	ANCR1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			9	7	2		
04/29/94	1334	GREEN-WINGED TEAL	ANCR1	BZ	RA01B			11	E	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/02/94	1117	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			6	3	3		
05/03/94	1157	GREEN-WINGED TEAL	ANCR1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			4	3	1		
05/04/94	950	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4	2	2		
05/20/94	735	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			3	3			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	44	25	11		
06/01/94	1335	GREEN-WINGED TEAL	ANCR1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			2	1	1		
06/01/94	1413	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
08/09/94	2010	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	0		4	OPEN SHALLOW WATER	54			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	4	2	1		
09/21/94	1516	GREEN-WINGED TEAL	ANCR1	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54			2				
10/14/94	1023	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4	1	3		
10/28/94	927	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	7	2	3		
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	55				
03/17/94	1015	LESSER SCAUP	AYAF1	BZ		OU6		12	P	5		2	OPEN SHALLOW WATER	54			1				
03/18/94	1545	LESSER SCAUP	AYAF1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			3	2	1		
03/18/94	1420	LESSER SCAUP	AYAF1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1	1		
03/30/94	1040	LESSER SCAUP	AYAF1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			55				
05/03/94	1157	LESSER SCAUP	AYAF1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	62	4	2		
10/07/94	1054	LESSER SCAUP	AYAF1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			6				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	6				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	68				
04/29/94	1325	LONG-BILLED CURLEW	NUAM1	BZ	RA01B			11	F	1		2	SHORT MARSH	20			6				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	6				
12/20/94	832	LONG-BILLED CURLEW	NUAM1	BZ	RG02B			16	O	1		2	MESIC MIXED GRASSLAND	322			1				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																	1				
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	7				
07/29/94	858	MALLARD	ANPL1	BZ	RA02B	OU6		11	P	5		2	SHORT MARSH	20			8				
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	8				
03/22/94	812	MALLARD	ANPL1	BZ	RA01B			5	I	0		2	TALL MARSH	30			2	1	1		
04/29/94	1404	MALLARD	ANPL1	BZ	RA01B			12	G	0		2	TALL MARSH	30			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	4	2	2		
06/09/94		MALLARD	ANPL1	BZ	BA01A	OU5		7	I	1		2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	2				
06/14/94		MALLARD	ANPL1	BZ	BA01A	OU5		7	I	1	5	2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	4				
06/14/94		MALLARD	ANPL1	BZ	BW01A	OU5		7	I	1		2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	2				

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TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	8				8
04/13/94	930	MALLARD	ANPL1	BZ	BW01B	OU6		13	U	0			2	STREAM POOL			43	2	1	1	
05/02/94	1258	MALLARD	ANPL1	BZ	RW02B			4	M	0			2	STREAM POOL			43	1	1		
05/04/94	1510	MALLARD	ANPL1	BZ	RW01B			13	T	5			2	INSTREAM POOL			43	2	1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	5	3	2		
06/06/94		MALLARD	ANPL1	BZ	BA01R			12	G	0			2	STREAM POOL			43	3	3		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	3	3			
07/13/94	632	MALLARD	ANPL1	BZ	SID			8	P	5			2	DITCH POOL		47	TALL MARSH	30	5		5
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	5				5
04/25/94		MALLARD	ANPL1	BZ	BA01A			7	K	1			2	SID DITCH POOL			49	1			1
05/04/94	800	MALLARD	ANPL1	BZ	BG02A			7	L	0			2	DITCH POOL			49	2			2
05/16/94		MALLARD	ANPL1	BZ	BA01A	OU5		7	J	5			2	SID DITCH POOL			49	2	1	1	
05/16/94		MALLARD	ANPL1	BZ	BA01A			7	K	5			2	SID DITCH POOL			49	2	1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	7	2	2		3
06/09/94		MALLARD	ANPL1	BZ	BG02A			7	K	0			2	DITCH POOL			49	1	1		
06/15/94	745	MALLARD	ANPL1	BZ	SID			7	M	5			2	DITCH			49	2	1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	3	2	1		
12/06/94	1122	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5			2	OPEN SHALLOW WATER			54	12	6	6	
12/06/94	1019	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5			2	OPEN SHALLOW WATER			54	2	1	1	
12/19/94	1607	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2	OPEN SHALLOW WATER			54	7	3	4	
02/01/94	1525	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2	OPEN SHALLOW WATER			54	5	3	2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER SEASON																	26	13	13		
03/02/94	1235	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5	0		2	OPEN SHALLOW WATER			54	18	11	7	
03/04/94	800	MALLARD	ANPL1	BZ	POND D-2			2	T	5			2	OPEN SHALLOW WATER			54	66	38	28	
03/04/94	715	MALLARD	ANPL1	BZ		OU6		12	O	5	1		2	OPEN SHALLOW WATER			54	1	1		
03/04/94	715	MALLARD	ANPL1	BZ		OU6		12	P	5	1		2	OPEN SHALLOW WATER			54	24	14	10	
03/17/94	930	MALLARD	ANPL1	BZ				7	N	5	0		2	OPEN SHALLOW WATER			54	2	1	1	
03/17/94	1015	MALLARD	ANPL1	BZ		OU6		12	P	5			2	OPEN SHALLOW WATER			54	7	4	3	
03/18/94	1550	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5			2	OPEN SHALLOW WATER			54	2	1	1	
03/18/94	1548	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5			2	OPEN SHALLOW WATER			54	2	1	1	
03/18/94	1545	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5			2	OPEN SHALLOW WATER			54	2	1	1	
03/18/94	1550	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5			2	OPEN SHALLOW WATER			54	2	1	1	
03/18/94	1550	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2	OPEN SHALLOW WATER			54	2	1	1	
03/18/94	1405	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5			2	OPEN SHALLOW WATER			54	6	3	3	
03/18/94	1411	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5	0		2	OPEN SHALLOW WATER			54	12	7	5	
03/18/94	1420	MALLARD	ANPL1	BZ	POND D-2			2	T	5			2	OPEN SHALLOW WATER			54	44	22	22	
03/25/94	1100	MALLARD	ANPL1	BZ	POND A-3			12	P	5			2	OPEN SHALLOW WATER			54	4	2	2	
03/25/94	1100	MALLARD	ANPL1	BZ	POND A-2			12	O	5			2	OPEN SHALLOW WATER			54	2	1	1	
03/30/94	1040	MALLARD	ANPL1	BZ	POND D-2			2	T	5	0		2	OPEN SHALLOW WATER			54	13			13
03/31/94	1556	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5			2	OPEN SHALLOW WATER			54	9	7	2	
03/31/94	1608	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5			2	OPEN SHALLOW WATER			54	9	7	2	
03/31/94	1616	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5			2	OPEN SHALLOW WATER			54	-3	2	1	
03/31/94	1645	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5			2	OPEN SHALLOW WATER			54	1	1		
03/31/94	1642	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5			2	OPEN SHALLOW WATER			54	2	1	1	

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DATE	TIME	SPECIES	SPEC CODE	ADMIN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
03/31/94	1640	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			4	2	2		
03/31/94	1626	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			6	3	3		
03/31/94	1356	MALLARD	ANPL1	BZ	RA01B			13	H	5		2	OPEN SHALLOW WATER	54			4	2	2		
04/04/94	1110	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	1	1		
04/18/94	745	MALLARD	ANPL1	BZ	BA01R			13	H	5		2	OPEN SHALLOW WATER	54			1	1			
04/29/94	1344	MALLARD	ANPL1	BZ	RA01B			11	E	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/02/94	1140	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			6	3	3		
05/03/94	1157	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			2	2			
05/03/94	1250	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54			3	3			
05/03/94	1233	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/04/94	950	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/04/94	1117	MALLARD	ANPL1	BZ	RW01A			7	N	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/16/94		MALLARD	ANPL1	BZ	BD01B			10	C	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/18/94	738	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			4	4			
05/20/94	951	MALLARD	ANPL1	BZ	POND A-2	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1	1			
05/20/94	944	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			3	3			
05/20/94	959	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/20/94	1006	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			1	1	1		
05/20/94	708	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	2			
05/20/94	711	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			2	2			
05/20/94	735	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			10	6	4		
05/26/94	1406	MALLARD	ANPL1	BZ	POND A-2	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1	1			
05/26/94	1411	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1	1			
05/26/94	1416	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			1	1			
05/26/94	1434	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			2	1	1		
05/26/94	1425	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			5	5			
05/26/94	1423	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			3				3
05/26/94	1056	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			3				3
05/28/94	1100	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			10		1		9
05/28/94	919	MALLARD	ANPL1	BZ	RW01B			13	T	0		2	INDIANA POND	54			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	323	177	117		29
06/01/94	1328	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			3	3			
06/01/94	1320	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			2	1	1		
06/01/94	1320	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			3	2	1		
06/01/94	1335	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			1	1			
06/01/94	1335	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			1	1			
06/01/94	1335	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			4	2	2		
06/01/94	1350	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			1	1			
06/01/94	1413	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			4	4			
06/08/94	905	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			5				5
06/10/94	1016	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			4	2	2		
06/10/94	1104	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			8	3	2	3	
06/13/94	950	MALLARD	ANPL1	BZ	POND A-4			12	Q	5		2	OPEN SHALLOW WATER	54			1	1			
06/13/94	950	MALLARD	ANPL1	BZ	POND A-3			12	P	5		2	OPEN SHALLOW WATER	54			2	1	1		

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DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
06/13/94	950	MALLARD	ANPL1	BZ	POND A-2			12	O	5		2	OPEN SHALLOW WATER	54			10	1	1	8	
06/13/94	950	MALLARD	ANPL1	BZ	POND B-4			10	P	5		2	OPEN SHALLOW WATER	54			1	1			
06/13/94	950	MALLARD	ANPL1	BZ	POND B-2			10	O	5		2	OPEN SHALLOW WATER	54			1	1			
06/13/94	950	MALLARD	ANPL1	BZ	POND B-1			10	O	5		2	OPEN SHALLOW WATER	54			2	1	1		
06/13/94	1405	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1	1			
06/13/94	1405	MALLARD	ANPL1	BZ	POND B-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			4	2	2		
06/13/94	1431	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			1	1			
06/14/94	850	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			7			1	6
06/14/94	850	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1	1			
06/14/94	620	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54			1	1			
06/14/94	630	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54			5	2	3		
06/15/94	750	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			5	2	3		
06/16/94	1420	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54			7	1	1	5	
06/16/94	1425	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			14	5	4	5	
06/18/94	1410	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			2	2			
06/23/94	940	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			3	2	1		
06/23/94	940	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			6				
06/24/94	634	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			1		1		
06/24/94	634	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			7				
06/24/94	800	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			2	1	1		
06/24/94	800	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			1	1			
06/28/94	1420	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			10	6	4		
06/28/94	1443	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			3			1	2
06/28/94	1524	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	1		2	OPEN SHALLOW WATER	54			6				
06/28/94	1514	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			6			1	5
06/28/94	1502	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			6			1	5
06/28/94	1502	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			12			1	11
06/29/94	645	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			1	1			
06/29/94	647	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			7	1	6		
06/29/94	648	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			2				
06/30/94	1208	MALLARD	ANPL1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			1	1	1		
07/01/94	1005	MALLARD	ANPL1	BZ	LANDFILL	OU6&7		12	L	5		2	OPEN SHALLOW WATER	54			3	2	1		
07/01/94	1005	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			4	2	2		
07/01/94	1005	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			2	2			
07/01/94	1005	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			5	1	2	2	
07/01/94	900	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			7			1	6
07/01/94	900	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			10			2	8
07/01/94	900	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			6			1	5
07/01/94	900	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			3	1	2		
07/01/94	900	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1		1		
07/01/94	900	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			7	2	5		
07/13/94	845	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			1		1		
07/13/94	740	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			6			1	5
07/13/94	740	MALLARD	ANPL1	BZ	POND Q-2			2	T	5		2	OPEN SHALLOW WATER	54			6			1	5

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TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
07/19/94	1315	MALLARD	ANPL1	BZ	LANDFILL	OU6&7		12	L		1	2	OPEN SHALLOW WATER	54			3	1	2		1
07/25/94	640	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5	5	2	OPEN SHALLOW WATER	54			1				
07/25/94	746	MALLARD	ANPL1	BZ	POND D-1			3	R		5	2	OPEN SHALLOW WATER	54			2		2		
07/25/94	808	MALLARD	ANPL1	BZ	POND D-2			2	T		5	2	OPEN SHALLOW WATER	54			5				5
07/26/94	1525	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q		5	2	OPEN SHALLOW WATER	54			6				6
07/26/94	1530	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O		5	2	OPEN SHALLOW WATER	54			7		1		6
07/29/94	752	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O		5	2	OPEN SHALLOW WATER	54			9				9
07/29/94	833	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q		5	2	OPEN SHALLOW WATER	54			5				5
07/29/94	914	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O		5	2	OPEN SHALLOW WATER	54			11				11
07/29/94	906	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5	2	OPEN SHALLOW WATER	54			8				8
07/29/94	950	MALLARD	ANPL1	BZ	RA01B			13	H		5	2	OPEN SHALLOW WATER	54			1	1			
08/09/94	2010	MALLARD	ANPL1	BZ	POND D-2			2	T		0	4	OPEN SHALLOW WATER	54			17				17
08/16/94		MALLARD	ANPL1	BZ	POND D-1			3	R		0	4	OPEN SHALLOW WATER	54			3		1		2
08/19/94	945	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N		5	2	OPEN SHALLOW WATER	54			6				6
08/22/94	1358	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q		5	2	OPEN SHALLOW WATER	54			4				4
08/23/94	1005	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N		5	2	OPEN SHALLOW WATER	54			7				7
08/23/94	1005	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O		5	2	OPEN SHALLOW WATER	54			9				9
08/23/94	1005	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O		5	2	OPEN SHALLOW WATER	54			17				17
08/23/94	914	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O		5	2	OPEN SHALLOW WATER	54			1				1
08/23/94	1005	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P		5	2	OPEN SHALLOW WATER	54			35				35
08/23/94	1000	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5	2	OPEN SHALLOW WATER	54			1				1
08/23/94	1000	MALLARD	ANPL1	BZ	POND B-4	OU6		11	P		5	2	OPEN SHALLOW WATER	54			2				2
08/23/94	1000	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q		5	2	OPEN SHALLOW WATER	54			3				3
08/23/94	637	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N		5	2	OPEN SHALLOW WATER	54			3				3
08/23/94	810	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N		5	2	OPEN SHALLOW WATER	54			12				12
08/23/94	907	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P		5	2	OPEN SHALLOW WATER	54			1				1
08/23/94	841	MALLARD	ANPL1	BZ	POND D-1			3	R		5	2	OPEN SHALLOW WATER	54			13				13
08/23/94	830	MALLARD	ANPL1	BZ	POND D-2			2	T		5	2	OPEN SHALLOW WATER	54			20				20
08/24/94	743	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N		5	2	OPEN SHALLOW WATER	54			6				6
08/24/94	802	MALLARD	ANPL1	BZ	POND A-3	OU6		12	Q		5	2	OPEN SHALLOW WATER	54			1				1
08/24/94	820	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q		5	2	OPEN SHALLOW WATER	54			8				8
08/24/94	853	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O		5	2	OPEN SHALLOW WATER	54			2				2
08/24/94	847	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O		5	2	OPEN SHALLOW WATER	54			4				4
08/24/94	844	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5	2	OPEN SHALLOW WATER	54			4				4
08/24/94	840	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P		5	2	OPEN SHALLOW WATER	54			12				12
08/29/94	816	MALLARD	ANPL1	BZ	POND D-2			2	T		5	2	OPEN SHALLOW WATER	54			483	69	68	98	248
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																					
09/13/94	1045	MALLARD	ANPL1	BZ	POND D-1			3	R		5	2	OPEN SHALLOW WATER	54			1				1
09/13/94	1111	MALLARD	ANPL1	BZ	POND D-2			2	T		5	2	OPEN SHALLOW WATER	54			6				6
09/21/94	1516	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N		5	2	OPEN SHALLOW WATER	54			5	2	3		
09/21/94	1525	MALLARD	ANPL1	BZ	POND A-3	OU6		12	Q		5	2	OPEN SHALLOW WATER	54			19	6			13
09/21/94	1606	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5	2	OPEN SHALLOW WATER	54			3	1	2		
09/21/94	1548	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q		5	2	OPEN SHALLOW WATER	54			3				3
09/22/94	840	MALLARD	ANPL1	BZ	RW01B	OU6		13	U		5	2	OPEN SHALLOW WATER	54			4	2	2		
10/05/94	1505	MALLARD	ANPL1	BZ	POND A-2	OU6		12	Q		5	2	OPEN SHALLOW WATER	54			5	3	2		

BZ = Buller Zone
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TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
10/05/94	1517	MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	5			2 OPEN SHALLOW WATER	54			2				2
10/05/94	1524	MALLARD	ANPL1	BZ	POND A-4	OU6		12	O	5			2 OPEN SHALLOW WATER	54			2	1	1		
10/05/94	1553	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5			2 OPEN SHALLOW WATER	54			4	1	3		
10/05/94	1550	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2 OPEN SHALLOW WATER	54			2	2			
10/05/94	1541	MALLARD	ANPL1	BZ	POND B-5	OU6		11	O	5			2 OPEN SHALLOW WATER	54			3	1	2		
10/07/94	1054	MALLARD	ANPL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			22				22
10/10/94	719	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5			2 OPEN SHALLOW WATER	54			4	1	3		
10/12/94	1459	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	0			2 OPEN SHALLOW WATER	54			1	1			
10/14/94	1023	MALLARD	ANPL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			8	5	3		
10/24/94	746	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5			2 OPEN SHALLOW WATER	54			9	3	6		
10/28/94	724	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5			2 OPEN SHALLOW WATER	54			1		1		
10/28/94	720	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2 OPEN SHALLOW WATER	54			3	2	1		
10/28/94	957	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5	0		2 OPEN SHALLOW WATER	54			7	3	4		
10/28/94	1003	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5			2 OPEN SHALLOW WATER	54			1	1			
10/28/94	927	MALLARD	ANPL1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			6	3	3		
11/08/94	804	MALLARD	ANPL1	BZ	LINDSAY			13	H	5			2 OPEN SHALLOW WATER	54			1	1			
11/08/94	833	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5			2 OPEN SHALLOW WATER	54			5	3	2		
11/14/94	1410	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2 OPEN SHALLOW WATER	54			15	8	7		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	142	50	45		47
05/03/94	1242	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5			2 MUDFLAT	93			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	1	1			
08/24/94	803	MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	0			2 MUDFLAT	93			13				13
08/24/94	827	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	0			2 MUDFLAT	93			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	15				15
06/14/94	1000	MALLARD	ANPL1	BZ	RW01B			13	S	1			2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
08/23/94	630	MALLARD	ANPL1	BZ	RW01A	OU5		7	P	1			2 DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	2				2
04/25/94	730	MALLARD	ANPL1	BZ	BW01A			7	K	1			2 BOTTOMLAND SHRUBLAND	210			2	1	1		
04/29/94		MALLARD	ANPL1	BZ	BS03B			4	T	0			2 BOTTOMLAND SHRUBLAND	210			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	3	1	1		1
07/29/94	853	MALLARD	ANPL1	BZ	RA02B	OU6		11	Q	0			2 BOTTOMLAND SHRUBLAND	210			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	1				1
04/25/94	740	MALLARD	ANPL1	BZ	BS01B			14	G	1			2 TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1	1			
04/25/94	740	MALLARD	ANPL1	BZ	BS01B			14	G	0			2 TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	2	1	1		
04/26/94	753	MALLARD	ANPL1	BZ	BR02A	OU1		8	L	1			2 MESIC MIXED GRASSLAND	322	RECLAIMED MIXED GRASSLAND	324	2	1	1		
05/02/94	1100	MALLARD	ANPL1	BZ	RA04B			4	R	0			2 MESIC MIXED GRASSLAND	322			1		1		
05/04/94	845	MALLARD	ANPL1	BZ	BD01A			7	N	1			2 MESIC MIXED GRASSLAND	322			3				3
05/16/94		MALLARD	ANPL1	BZ	BG02A			7	L	1			2 MESIC MIXED GRASSLAND	322			3				3
05/16/94		MALLARD	ANPL1	BZ	BW01A			7	K	1			2 MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	10	1	2		7
06/24/94		MALLARD	ANPL1	BZ	BG02B	OU11		9	D	1			2 MESIC MIXED GRASSLAND	322			1				1
07/20/94	1215	MALLARD	ANPL1	BZ				14	G	1			2 MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	18				18
08/29/94	839	MALLARD	ANPL1	BZ	RS03B			5	S	1			2 MESIC MIXED GRASSLAND	322			9				9

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DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY1	ACT-IVTY2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	28				28			
09/22/94	855	MALLARD	ANPL1	BZ	BW01B	OU6		13	U		1		2	MESIC MIXED GRASSLAND		322						4		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	4				4			
04/26/94	640	MALLARD	ANPL1	BZ	BX01R			13	I		1		2	XERIC MIXED GRASSLAND		323						1	1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	1				1			
05/20/94	712	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P		1		2	RECLAIMED MIXED GRASSLAND		324						3	1	2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	3				3			
05/26/94	1035	MALLARD	ANPL1	BZ	POND D-1			3	S		0		2	DAM RIPRAP		530						2	1	1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	2				2			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	1089				1089			
03/30/94	1040	NORTHERN PINTAIL	ANAC1	BZ	POND D-2			2	T		5	0	2	OPEN SHALLOW WATER		54						4		4
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	4				4			
05/03/94	900	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						1		1
05/03/94	815	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER		54						2		2
05/26/94	1411	PIED-BILLED GREBE	POPO1	BZ	POND A-3	OU6		12	P		10		2	OPEN SHALLOW WATER		54						2		2
05/26/94	1056	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						1		1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	6				6			
06/01/94	1320	PIED-BILLED GREBE	POPO1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER		54						2		2
06/01/94	1413	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						2		2
06/13/94	1405	PIED-BILLED GREBE	POPO1	BZ	POND B-4	OU6		12	Q		5		2	OPEN SHALLOW WATER		54						1		1
06/13/94	945	PIED-BILLED GREBE	POPO1	BZ	LANDFILL			12	L		5		2	OPEN SHALLOW WATER		54						1		1
06/20/94	800	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						2		2
06/30/94	1210	PIED-BILLED GREBE	POPO1	BZ	POND D-1			4	R		5		2	OPEN SHALLOW WATER		54						3		3
06/30/94	1227	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						3		3
07/01/94	1005	PIED-BILLED GREBE	POPO1	BZ	LANDFILL	OU6&7		12	L		5		2	OPEN SHALLOW WATER		54						6		6
07/01/94	900	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						4		4
07/01/94	900	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						1		1
07/13/94	740	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						3		3
07/13/94	740	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						3		3
07/13/94	645	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						7		7
07/19/94	1315	PIED-BILLED GREBE	POPO1	BZ	LANDFILL	OU6&7		12	L		1		2	OPEN SHALLOW WATER		54						3		3
07/25/94	640	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						1		1
07/25/94	746	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER		54						1		1
07/25/94	808	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						3		3
08/03/94	1550	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						2		2
08/09/94	2010	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		0		4	OPEN SHALLOW WATER		54						2		2
08/23/94	815	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						3		3
08/23/94	907	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER		54						14		14
08/23/94	841	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER		54						1		1
08/23/94	830	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						1		1
08/29/94	752	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER		54						3		3
08/29/94	818	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER		54						5		5
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	77				77			
09/13/94	1045	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER		54						2		2

BZ = Buller Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 13. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
10/07/94	1054	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			1				1
10/14/94	1023	PIED BILLED GREBE	POPO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			1				1
10/28/94	927	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			1				1
11/18/94	1010	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	7				7
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	90				
03/04/94	800	REDHEAD	AYAM1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			4	3	1		
03/18/94	1411	REDHEAD	AYAM1	BZ	POND C-2	OU5		7	P	5			2 OPEN SHALLOW WATER	54			8	4	4		
03/18/94	1420	REDHEAD	AYAM1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			26	13	13		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	38	20	18		
06/20/94	800	REDHEAD	AYAM1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER SEASON																	1	1			
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	39				
03/18/94	1420	RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			12	6	6		
03/31/94	1358	RING-NECKED DUCK	AYCO1	BZ	LINDSAY			13	H	5			2 OPEN SHALLOW WATER	54			3	2	1		
04/10/94	745	RING-NECKED DUCK	AYCO1	BZ	LINDSAY			13	H	5			2 OPEN SHALLOW WATER	54			3	2	1		
05/02/94	1140	RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING SEASON																	20	11	9		
10/14/94	1023	RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			22	14	8		
10/28/94	927	RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5			2 OPEN SHALLOW WATER	54			7				7
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL SEASON																	29	14	8		7
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	49				

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TABLE 14. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY LOCATION)

SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	HABITAT	HAB TYPE	NO. OBS.
AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	5
AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	101
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						106				
AMERICAN WHITE PELICAN	PEER1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	2
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						2				
AMERICAN WHITE PELICAN	PEER1	EA			INDIANA/96TH			MESIC MIXED GRASSLAND	322	8
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED IN EA						8				
AMERICAN WIGEON	ANAM1	BZ	POND B-4	OU6		10	P	OPEN SHALLOW WATER	54	2
AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	30
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE:						32				
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	2
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-1	OU5		7	N	OPEN SHALLOW WATER	54	2
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	2
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	1
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	IMPONDMENT EDGE MUDFLAT	93	5
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	S	DAM RIPRAP	530	2
POND D-1 TOTAL									8	
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	1
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND B-5	OU6		11	P	BOTTOMLAND SHRUBLAND	210	1
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	MUDFLAT	93	3
BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	DAM RIPRAP	530	2
POND D-1 TOTAL									5	
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						21				
BLUE-WINGED TEAL	ANDI1	BZ	POND A-1	OU6		11	N	OPEN SHALLOW WATER	54	6
BLUE-WINGED TEAL	ANDI1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	9
BLUE-WINGED TEAL	ANDI1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	5
BLUE-WINGED TEAL	ANDI1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	1
BLUE-WINGED TEAL	ANDI1	BZ	POND B-3	OU6		10	O	OPEN SHALLOW WATER	54	8
BLUE-WINGED TEAL	ANDI1	BZ	POND B-4	OU6		10	P	OPEN SHALLOW WATER	54	4
BLUE-WINGED TEAL	ANDI1	BZ	POND C-1	OU5		7	N	OPEN SHALLOW WATER	54	1
BLUE-WINGED TEAL	ANDI1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	2
BLUE-WINGED TEAL	ANDI1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	6
BLUE-WINGED TEAL	ANDI1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	59
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						101				
BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	26
BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	P	OPEN MID-DEPTH WATER	55	1
POND A-4 TOTAL									27	
BUFFLEHEAD	BUAL1	BZ	POND A-5	OU6		12	Q	OPEN SHALLOW WATER	54	14
BUFFLEHEAD	BUAL1	BZ	POND C-2	OU5		7	P	OPEN MID-DEPTH WATER	55	2
BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	42
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						85				
CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	11
CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	MESIC MIXED GRASSLAND	322	2
POND A-2 TOTAL									13	
CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	13
CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	MESIC MIXED GRASSLAND	322	4
CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	RECLAIMED MIXED GRASSLAND	324	2
POND A-3 TOTAL									19	
CANADA GOOSE	BRCA1	BZ	POND B-1	OU6		10	O	OPEN SHALLOW WATER	54	2
CANADA GOOSE	BRCA1	BZ	POND B-2	OU6		10	O	OPEN SHALLOW WATER	54	2
CANADA GOOSE	BRCA1	BZ	POND B-5	OU6		11	Q	OPEN SHALLOW WATER	54	4
CANADA GOOSE	BRCA1	BZ	POND B-5	OU6		11	Q	MUDFLAT	93	1
POND B-5 TOTAL									9	
CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	11
CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	RECLAIMED MIXED GRASSLAND	324	5
POND C-2 TOTAL									23	
CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	18
CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	MUDFLAT	93	4
POND D-2 TOTAL									22	
CANADA GOOSE	BRCA1	BZ	BD02B			2	T	RECLAIMED MIXED GRASSLAND	324	30

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TABLE 14. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY LOCATION)

SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	HABITAT	HAB TYPE	NO. OBS.
CANADA GOOSE	BRCA1	BZ	RA04B			2	T	OPEN SHALLOW WATER	54	2
CANADA GOOSE	BRCA1	BZ	BD03B			3	Q	RECLAIMED MIXED GRASSLAND	324	3
CANADA GOOSE	BRCA1	BZ	BD02B			3	U	RECLAIMED MIXED GRASSLAND	324	24
CANADA GOOSE	BRCA1	BZ	BD03B			4	Q	BOTTOMLAND SHRUBLAND	210	3
CANADA GOOSE	BRCA1	BZ	BD03B			4	R	RECLAIMED MIXED GRASSLAND	324	15
CANADA GOOSE	BRCA1	BZ	RS03B			5	Q	BOTTOMLAND SHRUBLAND	210	15
CANADA GOOSE	BRCA1	BZ				5	T	MESIC MIXED GRASSLAND	322	5
CANADA GOOSE	BRCA1	BZ	BA01A			7	K	MESIC MIXED GRASSLAND	322	7
CANADA GOOSE	BRCA1	BZ	BG02A			7	K	MESIC MIXED GRASSLAND	322	26
CANADA GOOSE	BRCA1	BZ	RW01A			7	K	DECIDUOUS WOODLAND	110	2
CANADA GOOSE	BRCA1	BZ	BR04A			7	N	MESIC MIXED GRASSLAND	322	3
CANADA GOOSE	BRCA1	BZ	RW01A			7	O	DECIDUOUS WOODLAND	110	3
CANADA GOOSE	BRCA1	BZ		OU11		8	G	MESIC MIXED GRASSLAND	322	1
CANADA GOOSE	BRCA1	BZ		OU1		8	L	MESIC MIXED GRASSLAND	322	30
CANADA GOOSE	BRCA1	BZ	BG02A			8	N	MESIC MIXED GRASSLAND	322	27
CANADA GOOSE	BRCA1	BZ				10	H	MESIC MIXED GRASSLAND	322	63
CANADA GOOSE	BRCA1	BZ	RA01B			11	E	SHORT MARSH	20	5
CANADA GOOSE	BRCA1	BZ	BX01L			11	F	XERIC MIXED GRASSLAND	323	111
CANADA GOOSE	BRCA1	BZ	RA02B	OU6		11	M	DECIDUOUS WOODLAND	110	22
CANADA GOOSE	BRCA1	BZ	RA01B			12	F	WET MEADOW	10	25
CANADA GOOSE	BRCA1	BZ	BA01R			12	G	OPEN SHALLOW WATER	54	3
CANADA GOOSE	BRCA1	BZ	BX01L			12	G	XERIC MIXED GRASSLAND	323	16
CANADA GOOSE	BRCA1	BZ	RA02A	OU6		12	P	MESIC MIXED GRASSLAND	322	2
CANADA GOOSE	BRCA1	BZ				13	F	MESIC MIXED GRASSLAND	322	15
CANADA GOOSE	BRCA1	BZ	RA01B			13	H	SHORT MARSH	20	9
CANADA GOOSE	BRCA1	BZ	BS02B			14	J	TALL UPLAND SHRUBLAND	230	25
CANADA GOOSE	BRCA1	BZ	BX02R			14	J	MESIC MIXED GRASSLAND	322	3
CANADA GOOSE	BRCA1	BZ	BG01R			15	O	MESIC MIXED GRASSLAND	322	100
CANADA GOOSE	BRCA1	BZ				16	M	XERIC MIXED GRASSLAND	323	5
TOTAL OF INDIVIDUALS IN HABITATS OTHER THAN PONDS									600	
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						679				
CANADA GOOSE	BRCA1	EA			STANDLEY INLET			MUDFLAT	93	16
CANADA GOOSE	BRCA1	EA			96TH/ALKIRE			STREAM CHANNEL	42	7
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED IN EA						23				
CANVASBACK	AYVA1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	1
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						1				
CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	OPEN SHALLOW WATER	54	6
CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	20
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						26				
COMMON GOLDENEYE	BUCL1	BZ	POND A-2	OU6		12	P	OPEN SHALLOW WATER	54	1
COMMON GOLDENEYE	BUCL1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	1
COMMON GOLDENEYE	BUCL1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	2
COMMON GOLDENEYE	BUCL1	BZ	POND A-4	OU6		12	Q	OPEN MID-DEPTH WATER	55	3
POND A-4 TOTAL								6		
COMMON GOLDENEYE	BUCL1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	37
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						44				
COMMON MERGANSER	MEME1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	2
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						2				
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BS03B			4	T	BOTTOMLAND SHRUBLAND	210	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01A			7	K	DECIDUOUS WOODLAND	110	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	RD02B			8	C	OPEN WATER EXCAVATION	58	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ		OU1		8	L	DISTURBED/BARREN LANDS	420	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BA01R			12	F	SHORT MARSH	20	2
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B			13	S	DECIDUOUS WOODLAND	110	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B			13	T	DECIDUOUS WOODLAND	110	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	RW01B	OU6		13	U	MESIC MIXED GRASSLAND	322	1
TOTAL OF INDIVIDUALS IN HABITATS OTHER THAN PONDS								9		
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-2	OU6		10	O	OPEN SHALLOW WATER	54	2
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	58
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	MUDFLAT	93	3

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TABLE 14. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY LOCATION)

SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	HABITAT	HAB TYPE	NO. OBS.
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	12
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		13	U	MESIC MIXED GRASSLAND	322	1
POND A-4 TOTAL									15	
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-1	OU6		10	O	OPEN SHALLOW WATER	54	5
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-4	OU6		12	Q	OPEN SHALLOW WATER	54	6
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	OPEN SHALLOW WATER	54	13
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	OPEN MID-DEPTH WATER	55	4
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q	MUDFLAT	93	4
POND B-5 TOTAL									21	
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	3
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	OPEN MID-DEPTH WATER	55	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	RECLAIMED MIXED GRASSLAND	324	1
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	1
POND C-2 TOTAL									6	
DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	2
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						125				
GADWALL	ANST1	BZ	POND A-1	OU6		12	N	OPEN SHALLOW WATER	54	2
GADWALL	ANST1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	10
GADWALL	ANST1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	3
GADWALL	ANST1	BZ	POND B-4	OU6		10	P	OPEN SHALLOW WATER	54	4
GADWALL	ANST1	BZ	POND C-1	OU5		7	N	OPEN SHALLOW WATER	54	1
GADWALL	ANST1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	223
GADWALL	ANST1	BZ	RA04B			2	T	OPEN SHALLOW WATER	54	2
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						245				
GREAT BLUE HERON	ARHE1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	2
GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	4
GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	MUDFLAT	93	2
GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	5
POND A-4 TOTAL									7	
GREAT BLUE HERON	ARHE1	BZ	POND B-2	OU6		10	O	OPEN SHALLOW WATER	54	3
GREAT BLUE HERON	ARHE1	BZ	POND B-4	OU6		10	P	OPEN SHALLOW WATER	54	2
GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	OPEN SHALLOW WATER	54	4
GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q	FENCE POST	560	1
POND B-5 TOTAL									5	
GREAT BLUE HERON	ARHE1	BZ	POND C-1	OU5		7	N	OPEN SHALLOW WATER	54	2
GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	4
GREAT BLUE HERON	ARHE1	BZ	LANDFILL	OU6&7		12	L	OPEN SHALLOW WATER	54	1
GREAT BLUE HERON	ARHE1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	1
GREAT BLUE HERON	ARHE1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	2
GREAT BLUE HERON	ARHE1	BZ	SID			8	P	DITCH POOL	47	1
GREAT BLUE HERON	ARHE1	BZ				2	T	OPEN SHALLOW WATER	54	1
GREAT BLUE HERON	ARHE1	BZ	BD03B			3	Q	RECLAIMED MIXED GRASSLAND	324	1
GREAT BLUE HERON	ARHE1	BZ	BD02B			3	T	RECLAIMED MIXED GRASSLAND	323	1
GREAT BLUE HERON	ARHE1	BZ	BA01A			7	K	MESIC MIXED GRASSLAND	322	1
GREAT BLUE HERON	ARHE1	BZ	RW01A			7	L	MESIC MIXED GRASSLAND	322	1
GREAT BLUE HERON	ARHE1	BZ	BW01A			7	N	IMPOUNDMENT MUDFLAT	93	1
GREAT BLUE HERON	ARHE1	BZ				7	N	OPEN SHALLOW WATER	54	1
GREAT BLUE HERON	ARHE1	BZ	RW01A			7	O	DECIDUOUS WOODLAND	110	2
GREAT BLUE HERON	ARHE1	BZ				8	C	OPEN SHALLOW WATER	54	1
GREAT BLUE HERON	ARHE1	BZ				10	G	MESIC MIXED GRASSLAND	322	1
GREAT BLUE HERON	ARHE1	BZ	RA01B			11	E	MESIC MIXED GRASSLAND	322	1
GREAT BLUE HERON	ARHE1	BZ				11	E	OPEN SHALLOW WATER	54	1
GREAT BLUE HERON	ARHE1	BZ	RA02B	OU6		11	P	BOTTOMLAND SHRUBLAND	210	1
GREAT BLUE HERON	ARHE1	BZ	RA02B	OU6		11	P	BOTTOMLAND SHRUBLAND	210	1
GREAT BLUE HERON	ARHE1	BZ	BA01R			12	F	MESIC MIXED GRASSLAND	322	1
GREAT BLUE HERON	ARHE1	BZ	BX01B			12	S	XERIC MIXED GRASSLAND	323	1
GREAT BLUE HERON	ARHE1	BZ				13	F	TALL UPLAND SHRUBLAND	230	1
GREAT BLUE HERON	ARHE1	BZ	RA01B			13	G	TALL MARSH	30	1
GREAT BLUE HERON	ARHE1	BZ	BA01R			13	H	SHORT MARSH	20	1

BZ = Buffer Zone
IA = Industrial Area
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TABLE 14. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY LOCATION)

SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	HABITAT	HAB TYPE	NO. OBS.
GREAT BLUE HERON	ARHE1	BZ	RW01B	OU6		13	U	OPEN SHALLOW WATER	54	2
GREAT BLUE HERON	ARHE1	BZ	BS01B			14	G	TALL UPLAND SHRUBLAND	230	1
GREAT BLUE HERON	ARHE1	BZ	BG01R			15	O	MESIC MIXED GRASSLAND	322	2
GREAT BLUE HERON	ARHE1	BZ	BG01R			15	P	MESIC MIXED GRASSLAND	322	2
TOTAL OF INDIVIDUALS IN HABITATS OTHER THAN PONDS									9	
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						62				
GREAT BLUE HERON	ARHE1	EA			HWY 93/HWY 128			MESIC MIXED GRASSLAND	322	1
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED IN EA						1				
GREATER SCAUP	AYMA1	BZ	BA01R			13	H	OPEN SHALLOW WATER	54	2
GREATER SCAUP	AYMA1	BZ	POND A-4	OU6		12	Q	OPEN MID-DEPTH WATER	55	14
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						16				
GREEN-WINGED TEAL	ANCR1	BZ	POND A-1	OU6		11	N	OPEN SHALLOW WATER	54	2
GREEN-WINGED TEAL	ANCR1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	12
GREEN-WINGED TEAL	ANCR1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	9
GREEN-WINGED TEAL	ANCR1	BZ	POND B-5	OU6		11	Q	OPEN SHALLOW WATER	54	2
GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	28
GREEN-WINGED TEAL	ANCR1	BZ	LINDSAY2			11	E	OPEN SHALLOW WATER	54	2
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						55				
LESSER SCAUP	AYAF1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	1
LESSER SCAUP	AYAF1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	4
LESSER SCAUP	AYAF1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	63
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						68				
LONG-BILLED CURLEW	NUAM1	BZ	RA01B			11	F	SHORT MARSH	20	6
LONG-BILLED CURLEW	NUAM1	BZ	RG02B			16	O	MESIC MIXED GRASSLAND	322	1
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						7				
MALLARD	ANPL1	BZ	LANDFILL	OU6&7		12	L	OPEN SHALLOW WATER	54	6
MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	OPEN SHALLOW WATER	54	47
MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	OPEN SHALLOW WATER	54	120
MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	91
MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	MUDFLAT	93	13
POND A-3 TOTAL									104	
MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	OPEN SHALLOW WATER	54	67
MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	OPEN SHALLOW WATER	54	39
MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	OPEN SHALLOW WATER	54	21
MALLARD	ANPL1	BZ	POND B-3	OU6		10	P	OPEN SHALLOW WATER	54	129
MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	MUDFLAT	93	1
POND B-3 TOTAL									130	
MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	OPEN SHALLOW WATER	54	44
MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	OPEN SHALLOW WATER	54	26
MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	MUDFLAT	93	2
MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	BOTTOMLAND SHRUBLAND	210	1
POND B-5 TOTAL									29	
MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	OPEN SHALLOW WATER	54	53
MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	40
MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	DECIDUOUS WOODLAND	110	1
MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	RECLAIMED MIXED GRASSLAND	322	3
POND C-2 TOTAL									44	
MALLARD	ANPL1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	9
MALLARD	ANPL1	BZ	POND D-1			3	S	DAM RIPRAP	530	2
POND D-2 TOTAL									10	
MALLARD	ANPL1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	267
MALLARD	ANPL1	BZ	POND D-2			4	R	MESIC MIXED GRASSLAND	322	1
POND D-2 TOTAL									268	
MALLARD	ANPL1	BZ	SID			8	P	DITCH POOL	47	5
MALLARD	ANPL1	BZ	SID			7	M	DITCH	49	2
SID TOTAL									7	
MALLARD	ANPL1	BZ	LINDSAY			13	H	OPEN SHALLOW WATER	54	7
MALLARD	ANPL1	BZ	LINDSAY2			11	E	OPEN SHALLOW WATER	54	2
MALLARD	ANPL1	BZ	INDIANA	OU6		13	U	OPEN SHALLOW WATER	54	4
MALLARD	ANPL1	BZ	BS03B			4	T	BOTTOMLAND SHRUBLAND	210	1

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TABLE 14. WATERFOWL SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY LOCATION)

SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	HABITAT	HAB TYPE	NO. OBS.
MALLARD	ANPL1	BZ	BA01A	OU5		7	I	TALL MARSH	30	2
MALLARD	ANPL1	BZ	BA01A	OU5		7	I	TALL MARSH	30	4
MALLARD	ANPL1	BZ	BW01A	OU5		7	I	TALL MARSH	30	2
MALLARD	ANPL1	BZ	BA01A	OU5		7	J	SID DITCH POOL	49	2
MALLARD	ANPL1	BZ	BA01A			7	K	SID DITCH POOL	49	1
MALLARD	ANPL1	BZ	BA01A			7	K	SID DITCH POOL	49	2
MALLARD	ANPL1	BZ	BG02A			7	K	DITCH POOL	49	1
MALLARD	ANPL1	BZ	BW01A			7	K	BOTTOMLAND SHRUBLAND	210	2
MALLARD	ANPL1	BZ	BW01A			7	K	MESIC MIXED GRASSLAND	322	1
MALLARD	ANPL1	BZ	BG02A			7	L	DITCH POOL	49	2
MALLARD	ANPL1	BZ	BG02A			7	L	MESIC MIXED GRASSLAND	322	3
MALLARD	ANPL1	BZ	BD01A			7	N	MESIC MIXED GRASSLAND	322	3
MALLARD	ANPL1	BZ	BR02A	OU1		8	L	MESIC MIXED GRASSLAND	322	2
MALLARD	ANPL1	BZ	BG02B	OU11		9	D	MESIC MIXED GRASSLAND	322	1
MALLARD	ANPL1	BZ	BD01B			10	C	OPEN SHALLOW WATER	54	2
MALLARD	ANPL1	BZ	BA01R			12	G	STREAM POOL	43	3
MALLARD	ANPL1	BZ	BX01R			13	I	XERIC MIXED GRASSLAND	323	1
MALLARD	ANPL1	BZ	BW01B	OU6		13	U	STREAM POOL	43	2
MALLARD	ANPL1	BZ	BW01B	OU6		13	U	MESIC MIXED GRASSLAND	322	4
MALLARD	ANPL1	BZ	BS01B			14	G	TALL UPLAND SHRUBLAND	230	1
MALLARD	ANPL1	BZ	BS01B			14	G	TALL UPLAND SHRUBLAND	230	1
MALLARD	ANPL1	BZ	RA01B			5	J	TALL MARSH	30	2
MALLARD	ANPL1	BZ	RA01B			12	G	TALL MARSH	30	2
MALLARD	ANPL1	BZ	RA02B	OU6		11	P	SHORT MARSH	20	8
MALLARD	ANPL1	BZ	RS03B			5	S	MESIC MIXED GRASSLAND	322	9
MALLARD	ANPL1	BZ	RW01B			13	T	INSTREAM POOL	43	2
MALLARD	ANPL1	BZ	RW01B			13	T	INDIANA POND	54	1
MALLARD	ANPL1	BZ	RW01B			13	S	DECIDUOUS WOODLAND	110	1
MALLARD	ANPL1	BZ	RW02B			4	M	STREAM POOL	43	1
MALLARD	ANPL1	BZ				14	G	MESIC MIXED GRASSLAND	322	18
TOTAL OF INDIVIDUALS IN HABITATS OTHER THAN PONDS									87	
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						1089				
NORTHERN PINTAIL	ANAC1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	4
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						4				
PIED-BILLED GREBE	POPO1	BZ	LANDFILL	OU6&7		12	L	OPEN SHALLOW WATER	54	10
PIED-BILLED GREBE	POPO1	BZ	POND A-3	OU6		12	P	OPEN SHALLOW WATER	54	4
PIED-BILLED GREBE	POPO1	BZ	POND B-4	OU6		12	Q	OPEN SHALLOW WATER	54	1
PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	32
PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R	OPEN SHALLOW WATER	54	12
PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	31
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						90				
REDHEAD	AYAM1	BZ	POND C-2	OU5		7	P	OPEN SHALLOW WATER	54	8
REDHEAD	AYAM1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	74
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						82				
RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	OPEN SHALLOW WATER	54	45
RING-NECKED DUCK	AYCO1	BZ	LINDASY			13	H	OPEN SHALLOW WATER	54	6
TOTAL NUMBER OF INDIVIDUALS OF THIS SPECIES OBSERVED ONSITE						51				

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3.3.3 Raptors

Raptor species data were recorded using a variety of methods. The objective of raptor monitoring was to record presence, habitat use, breeding status, and the relative abundance of raptor species at the Site. Such data serve to track population and habitat use trends of these species over time. All raptor data were entered into the Significant Species Database for subsequent query and analysis.

Population trends of raptors, the top avian predators of the food chain, are an indicator of ecological health of an area: the healthier the natural environment, the greater the number of species, and the greater the number of individuals of each species. Raptors must have a large, healthy population of prey species upon which to subsist. Reduced numbers of prey species are reflected in reduced numbers of raptors. Monitoring the numbers and apparent health of raptor populations is one means of tracking overall trends in the ecological health of the Site. Coupled with surveys of other species, monitoring raptors provides important data on ecological trends at the Site.

An integrated monitoring program for ecologically interactive species is essential in evaluating population fluctuations of raptors such as that observed in over-wintering raptors during the winter of 1994. Had the drop in prairie dog populations at the Site and in the vicinity not been observed, understanding the drop in raptor species observed during the late winter of 1994-95 might have been difficult.

Site-wide Significant Species surveys, relative abundance surveys, migratory bird surveys, and fortuitous sightings provided continuous data collection on this taxonomic group. These data collection methods have continued to supply valuable data on species presence, migration trends, habitat use, food preference, hunting areas, and nesting activity of raptors resident at the Site and in the immediate vicinity. In addition to providing habitat use and seasonal raptor population numbers, the site-wide and extended area significant species surveys provide nesting records for raptors on the Site and in the extended observation area. Relative abundance of raptor species is presented in Table 12, while seasonal use by habitat is summarized in Table 15. A complete data listing of all raptor observations is presented in Appendix A.

A single Great Horned Owl's nest, which successfully fledged two owlets, was recorded on the Site in the Walnut Creek drainage. Three pair of Swainson's Hawks made nesting attempts at the Site, but only one nest successfully fledged young. One nest near Pond B-1 was partially constructed, then abandoned. Another nest built near the east end of Woman Creek failed although the female faithfully incubated the eggs until they should have hatched. The third nest, located upstream of Pond A-1 produced one fledgling. A pair of American Kestrels successfully nested inside the wall of the old Lindsay Ranch house. One male and one female were fledged from that nest. This was the first recorded nest at the Site. The current list of breeding raptor species includes four confirmed breeding species and one suspected breeding species.

TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
03/30/94	1021	AMERICAN KESTREL	FASP1	BZ	RA04B			2	T	5		2	TALL MARSH	30			1	1			
04/29/94	1443	AMERICAN KESTREL	FASP1	BZ	RA01B			13	H	5		2	TALL MARSH	30			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2	1			1
04/13/94	915	AMERICAN KESTREL	FASP1	BZ	BW01B			13	S	0		2	DECIDUOUS WOODLAND	110			1				1
04/29/94	1314	AMERICAN KESTREL	FASP1	BZ	RW03B	OU5		7	J	0		2	DECIDUOUS WOODLAND	110			1		1		
05/02/94	1046	AMERICAN KESTREL	FASP1	BZ	RA04B			4	Q	0		2	DECIDUOUS WOODLAND	110			1				1
05/02/94	1234	AMERICAN KESTREL	FASP1	BZ	RW02B			5	P	5		2	DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	4		1		3
06/07/94	820	AMERICAN KESTREL	FASP1	BZ	BW01B	OU6		13	U	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1	1			
06/22/94		AMERICAN KESTREL	FASP1	BZ	BW01B			13	T	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1		1		
06/28/94		AMERICAN KESTREL	FASP1	BZ	BW01B			13	S	1		2	DECIDUOUS WOODLAND	110			1		1		
06/28/94		AMERICAN KESTREL	FASP1	BZ	BW01B			13	T	0		2	DECIDUOUS WOODLAND	110			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	5	2	3		
09/20/94	715	AMERICAN KESTREL	FASP1	BZ	BW01R			17	K	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
10/12/94	718	AMERICAN KESTREL	FASP1	BZ	BW01R			17	L	1		2	DECIDUOUS WOODLAND	110			1	1			
10/28/94	1012	AMERICAN KESTREL	FASP1	BZ		OU5		7	I	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	3	2			1
06/24/94	710	AMERICAN KESTREL	FASP1	BZ	BS02B			14	F	1		2	TALL UPLAND SHRUBLAND	230			1		1		
06/28/94		AMERICAN KESTREL	FASP1	BZ	BS02B			14	I	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	2		2		
06/28/94		AMERICAN KESTREL	FASP1	BZ	BS02B			14	I	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	2	2			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	5	2	3		
10/10/94	800	AMERICAN KESTREL	FASP1	BZ	BS02B			14	G	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
12/09/94	1255	AMERICAN KESTREL	FASP1	BZ		OU10		11	K	5		2	MESIC MIXED GRASSLAND	322			1		1		1
12/22/94	1301	AMERICAN KESTREL	FASP1	BZ				2	J	5		2	MESIC MIXED GRASSLAND	322			1				1
01/14/94	1540	AMERICAN KESTREL	FASP1	BZ				7	N	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	3				3
03/08/94	1115	AMERICAN KESTREL	FASP1	BZ		OU6		13	U	5		2	MESIC MIXED GRASSLAND	322			1				1
03/08/94	1115	AMERICAN KESTREL	FASP1	BZ				14	U	5		2	MESIC MIXED GRASSLAND	322			1				1
03/24/94	1242	AMERICAN KESTREL	FASP1	BZ				15	Q	17		2	MESIC MIXED GRASSLAND	322			1				1
04/18/94	745	AMERICAN KESTREL	FASP1	BZ	BA01R			13	H	5		2	MESIC MIXED GRASSLAND	322			1				1
04/25/94		AMERICAN KESTREL	FASP1	BZ	BA01A			7	N	1		2	MESIC MIXED GRASSLAND	322			1				1
04/29/94	1259	AMERICAN KESTREL	FASP1	BZ	RA03B			6	K	0		2	MESIC MIXED GRASSLAND	322			1				1
05/04/94	845	AMERICAN KESTREL	FASP1	BZ	BD01A			7	N	5		2	MESIC MIXED GRASSLAND	322			1				1
05/11/94		AMERICAN KESTREL	FASP1	BZ	BA01B			6	K	1		2	MESIC MIXED GRASSLAND	322			1		1		
05/13/94	1350	AMERICAN KESTREL	FASP1	BZ	RG02A	OU5		7	H	1		2	MESIC MIXED GRASSLAND	322			1	1			
05/16/94	935	AMERICAN KESTREL	FASP1	BZ				13	G	1		2	MESIC MIXED GRASSLAND	322			1		1		
05/20/94	940	AMERICAN KESTREL	FASP1	BZ				13	P	5		2	MESIC MIXED GRASSLAND	322			1				1
05/26/94	1430	AMERICAN KESTREL	FASP1	BZ		OU2		10	O	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	12	1	2		9
06/20/94		AMERICAN KESTREL	FASP1	BZ	BA01R			13	G	1		2	MESIC MIXED GRASSLAND	322			1		1		

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
06/23/94	840	AMERICAN KESTREL	FASP1	BZ				13	G	5		2	MESIC MIXED GRASSLAND	322			1				1
06/24/94	1250	AMERICAN KESTREL	FASP1	BZ	RA01B			13	G	1		2	MESIC MIXED GRASSLAND	322			2	1	1		
06/27/94	951	AMERICAN KESTREL	FASP1	BZ				1	T	5		2	MESIC MIXED GRASSLAND	322			1		1		
06/27/94	718	AMERICAN KESTREL	FASP1	BZ	BA01R			13	H	1	11	2	MESIC MIXED GRASSLAND	322			3	2	1		
07/13/94	950	AMERICAN KESTREL	FASP1	BZ	BG01B			5	G	1		2	MESIC MIXED GRASSLAND	322			1				1
07/13/94	950	AMERICAN KESTREL	FASP1	BZ	BG01B			5	G	5		2	MESIC MIXED GRASSLAND	322			1				1
07/19/94	1300	AMERICAN KESTREL	FASP1	BZ	POND A-2	OU6		12	O	5		2	MESIC MIXED GRASSLAND	322			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	11	4	4		3
09/29/94	700	AMERICAN KESTREL	FASP1	BZ	RG03B			2	M	5		2	MESIC MIXED GRASSLAND	322			1	1			
09/29/94	840	AMERICAN KESTREL	FASP1	BZ				3	F	5		2	MESIC MIXED GRASSLAND	322			1				1
10/06/94	1015	AMERICAN KESTREL	FASP1	BZ	POND D-2			2	T	5		2	MESIC MIXED GRASSLAND	322			1				1
10/12/94	1040	AMERICAN KESTREL	FASP1	BZ		OU5		7	I	5		2	MESIC MIXED GRASSLAND	322			1				1
10/27/94	800	AMERICAN KESTREL	FASP1	BZ	BX01B			11	S	1		2	MESIC MIXED GRASSLAND	322			1				1
11/22/94	958	AMERICAN KESTREL	FASP1	BZ		OU6		11	M	0		2	MESIC MIXED GRASSLAND	322	TALL MARSH	30	1				1
11/22/94	1205	AMERICAN KESTREL	FASP1	BZ	POND A-4	OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322			2				2
11/23/94	1142	AMERICAN KESTREL	FASP1	BZ				1	G	0		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	946	AMERICAN KESTREL	FASP1	BZ				5	T	5		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	1301	AMERICAN KESTREL	FASP1	BZ				6	U	5		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	11	1			10
04/13/94	730	AMERICAN KESTREL	FASP1	BZ	BW01R			15	K	5		2	XERIC MIXED GRASSLAND	323			1		1		
05/02/94	943	AMERICAN KESTREL	FASP1	BZ	RG03B			2	L	1		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2		1		1
06/23/94		AMERICAN KESTREL	FASP1	BZ	BX01B			10	R	5		2	XERIC MIXED GRASSLAND	323			1		1		
06/27/94	855	AMERICAN KESTREL	FASP1	BZ	BX01B			13	G	1		2	XERIC MIXED GRASSLAND	323			1	1			
07/01/94	1005	AMERICAN KESTREL	FASP1	BZ				11	F	5		2	XERIC MIXED GRASSLAND	323			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	3	1	2		
12/19/94	1529	AMERICAN KESTREL	FASP1	BZ	RG011A	OU5		7	H	1		2	RECLAIMED MIXED GRASSLAND	324			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1	1			
08/25/94		AMERICAN KESTREL	FASP1	BZ	BD03B			3	Q	1		2	RECLAIMED MIXED GRASSLAND	324			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1		1		
11/17/94	1510	AMERICAN KESTREL	FASP1	BZ	RG01A			8	N	5		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
09/21/94	740	AMERICAN KESTREL	FASP1	BZ	BD01B			8	C	1		2	DISTURBED/ANNUAL GRASS	410			1				1
09/21/94	752	AMERICAN KESTREL	FASP1	BZ	RD02B			8	C	5		2	ANNUAL GRASS/FORB	410			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2				2
06/22/94	930	AMERICAN KESTREL	FASP1	BZ				14	P	5		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	1			1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1		1		
12/07/94	951	AMERICAN KESTREL	FASP1	BZ		OU2		9	N	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	1				1
12/14/94	1518	AMERICAN KESTREL	FASP1	BZ				11	U	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	1				1
01/14/94	1832	AMERICAN KESTREL	FASP1	BZ				7	L	0		2	POWERPOLE	510	MESIC MIXED GRASSLAND	322	1				1
02/01/94	1422	AMERICAN KESTREL	FASP1	BZ	RG02A	OU5		7	H	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	4	1			3

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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/13/94	1324	AMERICAN KESTREL	FASP1	BZ	RW03B	OU5		7	J	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	1				1
05/20/94	1010	AMERICAN KESTREL	FASP1	BZ				4	U	0		2	POWERLINE	510	ROADSIDE/FENCEROW	540	1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2	1			1
07/27/94	1120	AMERICAN KESTREL	FASP1	BZ	RG02A			7	F	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1			1	
10/05/94	1533	AMERICAN KESTREL	FASP1	BZ	RA02B	OU6		12	Q	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	1	1			
10/26/94	1021	AMERICAN KESTREL	FASP1	BZ	RW02B			4	N	0		2	POWERLINE	510			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2	2			
07/01/94	1005	AMERICAN KESTREL	FASP1	BZ	LINDSAY			13	G	0		2	LINDSAY RANCH HOUSE	520			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2	1	1		
10/12/94	810	AMERICAN KESTREL	FASP1	BZ	BA01R			13	G	1	1	2	LINDSAY RANCH HOUSE	520			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2				2
12/12/94	845	AMERICAN KESTREL	FASP1	IA		OU4		10	L	0		2	SMOKESTACK	520			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	82				
12/07/94	959	AMERICAN KESTREL	FASP1	EA						5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
12/07/94	1002	AMERICAN KESTREL	FASP1	EA						0		2	POWER POLE	510	GRAZED DOWN PASTURE	325	1				1
01/14/94	1510	AMERICAN KESTREL	FASP1	EA			SIMMS/HYW 128			0		2	POWERPOLE	510	MESIC MIXED GRASSLAND	322	1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2				2
05/20/94	1025	AMERICAN KESTREL	FASP1	EA			96TH/GOLF RANGE			5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	4				
12/05/94	814	BALD EAGLE	HALE1	BZ				15	J	1		2	MESIC MIXED GRASSLAND	322			1				1
12/09/94	1435	BALD EAGLE	HALE1	BZ		OU6		11	N	1		2	MESIC MIXED GRASSLAND	322			1				1
12/14/94	710	BALD EAGLE	HALE1	BZ	BG01R			15	O	1		2	MESIC MIXED GRASSLAND	322			1				1
01/14/94	1430	BALD EAGLE	HALE1	BZ				15	D	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	4				4
12/20/94	1421	BALD EAGLE	HALE1	BZ	RA04B			2	T	1		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
11/14/94	900	BALD EAGLE	HALE1	BZ	BG02A			7	L	1		2	MESIC MIXED GRASSLAND	322	BUILDINGS	520	1				1
11/23/94	1525	BALD EAGLE	HALE1	BZ		OU6		11	N	1		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	750	BALD EAGLE	HALE1	BZ				10	O	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	3			1	2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	8				
10/10/94	1610	BALD EAGLE	HALE1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
10/13/94	750	BALD EAGLE	HALE1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
10/13/94	750	BALD EAGLE	HALE1	EA			ALKIRE/SNAG			0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	1				1
11/16/94	925	BALD EAGLE	HALE1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	4				4
12/07/94	1210	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	2				2

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
12/07/94	957	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/07/94	1215	BALD EAGLE	HALE1	EA						1	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1443	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1456	BALD EAGLE	HALE1	EA						5	0	2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	1				1	
01/14/94	1455	BALD EAGLE	HALE1	EA			STANDLEY SNAG			0		2	COTTONWOOD TREE	110	OPEN SHALLOW WATER	54	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	7				1	6
10/27/94	1515	BALD EAGLE	HALE1	EA			HWY 93/LEYDEN			1		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1					1
12/05/94	1625	BALD EAGLE	HALE1	EA			HWY 93/LEYDEN			1		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1					1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	13					
05/02/94	950	BURROWING OWL	ATCU1	BZ		RG03B		2	M	1		2	MESIC MIXED GRASSLAND	322			1				1	
05/05/94	1015	BURROWING OWL	ATCU1	BZ			JEFFCO OS	1	S	0		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2					2
06/09/94	1500	BURROWING OWL	ATCU1	EA						0		2	MESIC MIXED GRASSLAND	322			2				2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2					2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	4					
12/20/94	1008	FERRUGINOUS HAWK	BURE1	BZ		RA01B		13	G	1		2	SHORT MARSH	20			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1					1
03/22/94	752	FERRUGINOUS HAWK	BURE1	BZ		RA01B		5	I	5		2	TALL MARSH	30			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1					1
09/20/94	730	FERRUGINOUS HAWK	BURE1	BZ		BS01B		14	H	1		2	TALL UPLAND SHRUBLAND	230			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1					1
02/18/94	1349	FERRUGINOUS HAWK	BURE1	BZ		RW01B		14	T	1		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1					1
03/30/94	935	FERRUGINOUS HAWK	BURE1	BZ		RW02B		5	P	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1					1
08/09/94	730	FERRUGINOUS HAWK	BURE1	BZ				5	P	1		2	ROADSIDE/FENCEROW	540			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1					1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	6					
11/28/94	1252	FERRUGINOUS HAWK	BURE1	EA			96TH/AI KIRE			5		2	SHORT MARSH	20			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1					1
12/07/94	1201	FERRUGINOUS HAWK	BURE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/07/94	1201	FERRUGINOUS HAWK	BURE1	EA						1	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1443	FERRUGINOUS HAWK	BURE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1509	FERRUGINOUS HAWK	BURE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1502	FERRUGINOUS HAWK	BURE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1509	FERRUGINOUS HAWK	BURE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	2				2	
01/14/94	1450	FERRUGINOUS HAWK	BURE1	EA			ALKIRE/100TH			0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1	
01/14/94	1500	FERRUGINOUS HAWK	BURE1	EA			ALKIRE			0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	9					9

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
10/13/94	850	FERRUGINOUS HAWK	BURE1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	2				2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				2	
01/14/94	1520	FERRUGINOUS HAWK	BURE1	EA			COALTON/GUNCLUB			0		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1	
03/18/94	1300	FERRUGINOUS HAWK	BURE1	EA			INDIANA/96TH			5		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1	
10/04/94	1500	FERRUGINOUS HAWK	BURE1	EA			96TH/INDIANA			5		2	MESIC MIXED GRASSLAND	322			1				1	
10/13/94	906	FERRUGINOUS HAWK	BURE1	EA			96TH/ALKIRE			0		2	MESIC MIXED GRASSLAND	322			1				1	
11/28/94	1247	FERRUGINOUS HAWK	BURE1	EA			100TH/NEST			5		2	MESIC MIXED GRASSLAND	322			1				1	
11/29/94	1242	FERRUGINOUS HAWK	BURE1	EA			SIMMS/WAL. CK.			5		2	MESIC MIXED GRASSLAND	322			2				2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	5				5	
12/14/94	1509	FERRUGINOUS HAWK	BURE1	EA						0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1	
11/16/94	825	FERRUGINOUS HAWK	BURE1	EA			SIMMS/100TH			0		2	STRUCTURE (STREETLIGHT)	520	ROADSIDE	540	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	20				20	
10/28/94	927	GOLDEN EAGLE	AQCH1	BZ			POND D-2		2	T	5		2	OPEN SHALLOW WATER	54	MESIC MIXED GRASSLAND	322	1			1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1	
02/21/94	1218	GOLDEN EAGLE	AQCH1	BZ			RS03B		5	R	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1			1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1	
08/15/94	1040	GOLDEN EAGLE	AQCH1	BZ					4	M	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1			1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1	
06/08/94	700	GOLDEN EAGLE	AQCH1	BZ			BS02B		14	I	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1			1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1	
12/05/94	814	GOLDEN EAGLE	AQCH1	BZ					15	H	1		2	MESIC MIXED GRASSLAND	322		1				1	
12/15/94	1351	GOLDEN EAGLE	AQCH1	BZ					5	Q	0		2	MESIC MIXED GRASSLAND	322		1				1	
12/15/94	849	GOLDEN EAGLE	AQCH1	BZ					4	P	0		2	MESIC MIXED GRASSLAND	322		1				1	
12/20/94	754	GOLDEN EAGLE	AQCH1	BZ					13	G	5		2	MESIC MIXED GRASSLAND	322		1				1	
12/22/94	1428	GOLDEN EAGLE	AQCH1	BZ					17	K	5		2	MESIC MIXED GRASSLAND	322		1				1	
12/22/94	1301	GOLDEN EAGLE	AQCH1	BZ					4	L	5		2	MESIC MIXED GRASSLAND	322		1				1	
02/01/94	1511	GOLDEN EAGLE	AQCH1	BZ			RA02B		11	P	1		2	MESIC MIXED GRASSLAND	322		2				1	
02/18/94	1329	GOLDEN EAGLE	AQCH1	BZ			RW01B		12	S	1	0	2	MESIC MIXED GRASSLAND	322		1				2	
02/21/94	1155	GOLDEN EAGLE	AQCH1	BZ			POND D-2		2	T	5		2	MESIC MIXED GRASSLAND	322		1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	10				4	6
03/04/94	1115	GOLDEN EAGLE	AQCH1	BZ					13	O	5		2	MESIC MIXED GRASSLAND	322		1				1	
03/18/94	1408	GOLDEN EAGLE	AQCH1	BZ					7	R	5		2	MESIC MIXED GRASSLAND	322		1				1	
04/13/94	825	GOLDEN EAGLE	AQCH1	BZ			BG01R		16	O	5		2	MESIC MIXED GRASSLAND	322		1				1	
05/02/94	940	GOLDEN EAGLE	AQCH1	BZ			RG03B		2	K	1		2	MESIC MIXED GRASSLAND	322		1				1	
05/03/94	1500	GOLDEN EAGLE	AQCH1	BZ					1	R	5		2	MESIC MIXED GRASSLAND	322		1				1	
05/04/94	745	GOLDEN EAGLE	AQCH1	BZ			BG02A		8	M	5		2	MESIC MIXED GRASSLAND	322		1				1	
05/20/94	814	GOLDEN EAGLE	AQCH1	BZ					2	O	5		2	MESIC MIXED GRASSLAND	322		1				1	
05/26/94	851	GOLDEN EAGLE	AQCH1	BZ			RG03B		2	N	6		2	MESIC MIXED GRASSLAND	322		3				3	

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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/26/94	1225	GOLDEN EAGLE	AQCH1	BZ	RS03B			5	Q	1		2	MESIC MIXED GRASSLAND	322			2			2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	12			5	7
06/01/94	1335	GOLDEN EAGLE	AQCH1	BZ	POND A-1	OU6		11	N	5		2	MESIC MIXED GRASSLAND	322			1				1
06/01/94	1442	GOLDEN EAGLE	AQCH1	BZ				2	N	5		2	MESIC MIXED GRASSLAND	322			1				1
06/22/94	910	GOLDEN EAGLE	AQCH1	BZ				15	S	5		2	MESIC MIXED GRASSLAND	322			1				1
06/27/94	951	GOLDEN EAGLE	AQCH1	BZ				1	T	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	4			1	3
10/25/94	954	GOLDEN EAGLE	AQCH1	BZ	BG01R			15	P	1		2	MESIC MIXED GRASSLAND	322			1				1
10/28/94	734	GOLDEN EAGLE	AQCH1	BZ		OU7		13	K	5		2	MESIC MIXED GRASSLAND	322			1				1
11/22/94	1511	GOLDEN EAGLE	AQCH1	BZ				8	N	5		2	MESIC MIXED GRASSLAND	322			1				1
11/23/94	1525	GOLDEN EAGLE	AQCH1	BZ				10	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
11/23/94	1145	GOLDEN EAGLE	AQCH1	BZ				4	P	0		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	5			1	4
01/25/94	750	GOLDEN EAGLE	AQCH1	BZ	BX01B			11	R	1		2	XERIC MIXED GRASSLAND	323			1				1
01/25/94	1135	GOLDEN EAGLE	AQCH1	BZ	RG03B			14	M	5		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2			1	1
06/09/94		GOLDEN EAGLE	AQCH1	BZ	BX01B			11	S	1		2	XERIC MIXED GRASSLAND	323			1				1
06/16/94	1506	GOLDEN EAGLE	AQCH1	BZ	RG03B			2	K	1		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2				2
05/03/94	830	GOLDEN EAGLE	AQCH1	BZ				3	U	5		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
12/05/94	854	GOLDEN EAGLE	AQCH1	BZ				17	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
12/22/94	901	GOLDEN EAGLE	AQCH1	BZ				10	Q	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2				1
01/25/94	959	GOLDEN EAGLE	AQCH1	BZ	RW02B			5	P	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
05/17/94	915	GOLDEN EAGLE	AQCH1	BZ	BG01R			15	P	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2				2
08/08/94	750	GOLDEN EAGLE	AQCH1	BZ	BG01B			1	G	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
03/04/94	808	GOLDEN EAGLE	AQCH1	BZ				2	T	0		2	DAM STRUCTURE	520			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
06/16/94		GOLDEN EAGLE	AQCH1	BZ	BG01B			2	F	0		2	FENCE ROW	560	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
03/18/94	1600	GOLDEN EAGLE	AQCH1	IA				9	K	5		2	BUILDINGS/STRUCTURES	520			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	48				
12/07/94	1210	GOLDEN EAGLE	AQCH1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
12/07/94	1210	GOLDEN EAGLE	AQCH1	EA						5		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2				2
12/14/94	1509	GOLDEN EAGLE	AQCH1	EA						5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1

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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
06/20/94	1100	GOLDEN EAGLE	AQCH1	EA			INDIANA/V. WEST			5		2	MESIC MIXED GRASSLAND	322			3			2	1	
07/18/94	1500	GOLDEN EAGLE	AQCH1	EA			INDIANA/E. GATE			5		2	MESIC MIXED GRASSLAND	322			2				2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	5			1	3	
10/04/94	1535	GOLDEN EAGLE	AQCH1	EA			96TH/INDIANA			5		2	MESIC MIXED GRASSLAND	322			1				1	
10/13/94	925	GOLDEN EAGLE	AQCH1	EA			100TH/NEST			1		2	MESIC MIXED GRASSLAND	322			1				1	
11/16/94	825	GOLDEN EAGLE	AQCH1	EA			INDIANA/HWY 128			5		2	MESIC MIXED GRASSLAND	322			1				1	
11/28/94	1239	GOLDEN EAGLE	AQCH1	EA			SIMMS/WTP			5		2	MESIC MIXED GRASSLAND	322	CULTIVATED LAND		430	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	4				4	
10/12/94	1125	GOLDEN EAGLE	AQCH1	EA			100TH/NEST			5		2	GRAZED DOWN PASTURE	325			1					1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1	
03/18/94	1245	GOLDEN EAGLE	AQCH1	EA			INDIANA/HWY 128			0		2	POWER TOWER	510	MESIC MIXED GRASSLAND		322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	14					
09/19/94	955	GREAT HORNED OWL	BUV11	BZ	RA01B				11	E	0	2	SHORT MARSH	20			1					1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1	
12/13/94	800	GREAT HORNED OWL	BUV11	BZ	BW01B				13	S	0	2	DECIDUOUS WOODLAND	110			1					1
12/15/94	826	GREAT HORNED OWL	BUV11	BZ	BS03B				5	S	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND		322	1				1
12/19/94	1445	GREAT HORNED OWL	BUV11	BZ	RW01A				7	N	0	2	DECIDUOUS WOODLAND	110			2					2
12/20/94	850	GREAT HORNED OWL	BUV11	BZ	BW01A				13	T	0	2	DECIDUOUS WOODLAND	110			1					1
12/20/94	850	GREAT HORNED OWL	BUV11	BZ	BW01A	OU6			13	U	0	2	DECIDUOUS WOODLAND	110			1					1
12/22/94	1428	GREAT HORNED OWL	BUV11	BZ					17	L	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND		322	1				1
01/25/94	1337	GREAT HORNED OWL	BUV11	BZ	RS01B				14	F	0	2	DECIDUOUS WOODLAND	110	TALL UPLAND SHRUBLAND		230	1				1
01/25/94	1522	GREAT HORNED OWL	BUV11	BZ	RW01B				13	S	0	2	DECIDUOUS WOODLAND	110			1					1
02/01/94	1532	GREAT HORNED OWL	BUV11	BZ	RA02A				10	N	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND		322	1				1
02/01/94	1447	GREAT HORNED OWL	BUV11	BZ	RA02B	OU6			11	M	0	2	DECIDUOUS WOODLAND	110			1					1
02/01/94	1215	GREAT HORNED OWL	BUV11	BZ	RS03B				5	S	0	2	DECIDUOUS WOODLAND	110			1					1
02/01/94	1500	GREAT HORNED OWL	BUV11	BZ	RW01A				7	O	0	2	DECIDUOUS WOODLAND	110			1					1
02/18/94	1330	GREAT HORNED OWL	BUV11	BZ	RW01B				13	S	0	2	DECIDUOUS WOODLAND	110			2					2
02/21/94	742	GREAT HORNED OWL	BUV11	BZ	BW01R				7	L	0	2	DECIDUOUS WOODLAND	110			2					2
02/21/94	1215	GREAT HORNED OWL	BUV11	BZ	RS03B				5	S	0	2	DECIDUOUS WOODLAND	110			1					1
02/21/94	1255	GREAT HORNED OWL	BUV11	BZ	RW03B	OU5			5	O	0	2	DECIDUOUS WOODLAND	110			1					1
02/25/94	1540	GREAT HORNED OWL	BUV11	BZ					10	N	0	2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND		322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	20				20	
03/02/94	1303	GREAT HORNED OWL	BUV11	BZ	RA02B				10	N	0	2	DECIDUOUS WOODLAND	110			1					1
03/02/94	1159	GREAT HORNED OWL	BUV11	BZ	RA02B	OU6			11	M	0	2	DECIDUOUS WOODLAND	110			1					1
04/13/94	915	GREAT HORNED OWL	BUV11	BZ	BW01B				13	S	5	2	DECIDUOUS WOODLAND	110			1					1
05/02/94	1115	GREAT HORNED OWL	BUV11	BZ	RA04B				3	S	0	2	DECIDUOUS WOODLAND	110			1					1
05/02/94	1240	GREAT HORNED OWL	BUV11	BZ	RW02B				5	O	0	2	DECIDUOUS WOODLAND	110			1					1
05/04/94	1109	GREAT HORNED OWL	BUV11	BZ	RW01A				7	N	0	2	DECIDUOUS WOODLAND	110			1					1
05/04/94	1511	GREAT HORNED OWL	BUV11	BZ	RW01B				13	T	0	2	COTTONWOOD TREE	110			1					1
05/28/94	1147	GREAT HORNED OWL	BUV11	BZ	RS03B				5	S	0	2	DECIDUOUS WOODLAND	110			2					2

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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT- IVTY 1	ACT- IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN- CLASS	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																		9				9
06/07/94	820	GREAT HORNED OWL	BUV11	BZ	BW01B	OU6		13	U	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
06/13/94	920	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	0		2	DECIDUOUS WOODLAND	110			1				1	
06/14/94	700	GREAT HORNED OWL	BUV11	BZ	BW01R			16	K	0		2	DECIDUOUS WOODLAND	110			1				1	
06/28/94		GREAT HORNED OWL	BUV11	BZ	BW01B			13	S	0		2	DECIDUOUS WOODLAND	110			1			1		
07/12/94	845	GREAT HORNED OWL	BUV11	BZ	BW01B			13	T	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1	
07/12/94	840	GREAT HORNED OWL	BUV11	BZ	BW01B			13	T	0		2	DECIDUOUS WOODLAND	110			1				1	
07/14/94	1000	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1	
07/26/94	1509	GREAT HORNED OWL	BUV11	BZ	RW01B	OU6		13	U	0		2	DECIDUOUS WOODLAND	110			1				1	
08/09/94	2210	GREAT HORNED OWL	BUV11	BZ				14	H	0	1	4	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1	
08/16/94		GREAT HORNED OWL	BUV11	BZ				4	N	1		4	DECIDUOUS WOODLAND	110			1				1	
08/22/94	1130	GREAT HORNED OWL	BUV11	BZ	RW01B			13	S	0		2	DECIDUOUS WOODLAND	110			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																		11			1	10
09/13/94	850	GREAT HORNED OWL	BUV11	BZ	BS03B			5	S	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
09/13/94	935	GREAT HORNED OWL	BUV11	BZ	RS03B			5	R	0		2	DECIDUOUS WOODLAND	110			1				1	
09/19/94	910	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
09/22/94	1138	GREAT HORNED OWL	BUV11	BZ	RW01A			7	N	0		2	DECIDUOUS WOODLAND	110			1				1	
10/19/94	725	GREAT HORNED OWL	BUV11	BZ	RA01B			11	E	0		2	COTTONWOOD TREE	110			1				1	
10/25/94	905	GREAT HORNED OWL	BUV11	BZ	RW01B			13	T	0		2	DECIDUOUS WOODLAND	110			1				1	
10/28/94	836	GREAT HORNED OWL	BUV11	BZ				15	I	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
11/14/94	1256	GREAT HORNED OWL	BUV11	BZ	RA02B	OU6		11	M	0		2	DECIDUOUS WOODLAND	110			2				2	
11/21/94	1253	GREAT HORNED OWL	BUV11	BZ	RW01A			7	M	0		2	DECIDUOUS WOODLAND	110			1				1	
11/21/94	1303	GREAT HORNED OWL	BUV11	BZ	RW01A			7	N	0		2	DECIDUOUS WOODLAND	110			1				1	
11/22/94	908	GREAT HORNED OWL	BUV11	BZ	BW01B			13	S	0		2	DECIDUOUS WOODLAND	110			2				2	
11/22/94	908	GREAT HORNED OWL	BUV11	BZ	BW01B			13	T	0		2	DECIDUOUS WOODLAND	110			1				1	
11/22/94	1218	GREAT HORNED OWL	BUV11	BZ	RW01B	OU6		13	U	0		2	DECIDUOUS WOODLAND	110			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																		15				15
03/16/94	1513	GREAT HORNED OWL	BUV11	BZ		OU11		9	F	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1				1	
04/29/94	1330	GREAT HORNED OWL	BUV11	BZ	RA01B			11	E	0		2	PONDEROSA WOODLAND	120			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																		2				2
07/14/94	1000	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	1		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																		1				1
05/18/94	1438	GREAT HORNED OWL	BUV11	BZ	RA02A			6	I	0		2	APPLE TREE	130			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																		1				1
08/17/94	1950	GREAT HORNED OWL	BUV11	BZ				13	II	0	1	3	APPLE TREE	130	TALL MARSH	30	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																		1				1
04/29/94		GREAT HORNED OWL	BUV11	BZ	BS03B			4	T	0		2	BOTTOMLAND SHRUBLAND	210			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																		1				1
01/25/94	1408	GREAT HORNED OWL	BUV11	BZ	RS02B			16	C	0		2	TALL UPLAND SHRUBLAND	230			1				1	
02/02/94	850	GREAT HORNED OWL	BUV11	BZ				14	J	0		2	TALL UPLAND SHRUBLAND	230			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																		2				2

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
03/25/94	850	GREAT HORNED OWL	BUV11	BZ	BS01B			14	F	0		2	TALL UPLAND SHRUBLAND	230			1				1
03/31/94	1500	GREAT HORNED OWL	BUV11	BZ	RS01B			13	F	0		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2				2
10/14/94	745	GREAT HORNED OWL	BUV11	BZ	BS01B			14	G	0		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
09/13/94	830	GREAT HORNED OWL	BUV11	BZ	BD02B			4	U	0		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
08/16/94		GREAT HORNED OWL	BUV11	BZ				13	P	5	1	4	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
02/22/94	1335	GREAT HORNED OWL	BUV11	BZ				13	G	0		2	LINDSAY BARN	520			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2				2
07/29/94	957	GREAT HORNED OWL	BUV11	BZ	RA01B			13	G	0		2	LINDSAY BARN	520			1				1
07/29/94	1050	GREAT HORNED OWL	BUV11	BZ				13	G	0		2	LINDSAY BARN	520			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2				2
09/07/94	1115	GREAT HORNED OWL	BUV11	BZ				13	G	0		2	LINDSAY BARN	520			2				2
11/08/94	803	GREAT HORNED OWL	BUV11	BZ	LINDSAY			13	G	0		2	LINDSAY BARN	520			1				1
11/28/94	1123	GREAT HORNED OWL	BUV11	BZ				13	G	0		2	LINDSAY BARN	520			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	4				4
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	77				77
06/21/94	1018	LONG-EARED OWL	ASOT1	BZ	RS01B			14	G	0		2	DECIDUOUS WOODLAND	110			1				1
08/16/94		LONG-EARED OWL	ASOT1	BZ				17	J	0		4	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2				2
09/06/94	1623	LONG-EARED OWL	ASOT1	BZ				15	J	0		2	TALL UPLAND SHRUBLAND	230			3				3
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	3				3
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	5	0	0	0	7
02/02/94	935	MERLIN	FAO01	BZ	BA01R			11	E	0		2	ROADSIDE/FENCEROW	540			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1	1			
05/11/94		MERLIN	FAO01	BZ	BG01B			4	G	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	2				2
12/06/94	1010	NORTHERN HARRIER	CICY1	BZ				6	I	5		2	SHORT MARSH	20			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1	1			
09/12/94	950	NORTHERN HARRIER	CICY1	BZ	BA01B			6	J	5		2	SHORT MARSH	20			1				1
10/12/94	840	NORTHERN HARRIER	CICY1	BZ	BA01R			13	G	5		2	SHORT MARSH	20			1				1
10/20/94	809	NORTHERN HARRIER	CICY1	BZ	RS02B			14	I	5		2	SHORT MARSH	20			1				1
11/28/94	1043	NORTHERN HARRIER	CICY1	BZ				6	I	5		2	SHORT MARSH	20			1	1			1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	4	1		2	1
12/06/94	1018	NORTHERN HARRIER	CICY1	BZ				8	P	5		2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
08/23/94	715	NORTHERN HARRIER	CICY1	BZ	POND C-2	OU5		7	P	5		2	TALL MARSH	30			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1

BZ = Buffer Zone
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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
09/12/94	1026	NORTHERN HARRIER	CICY1	BZ	RA03B			6	J	5		2	TALL MARSH	30			1		1		
10/05/94	1508	NORTHERN HARRIER	CICY1	BZ	RA02B	OU6		12	O	5		2	MUDFLAT	93			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2		1		1
04/13/94	915	NORTHERN HARRIER	CICY1	BZ	BW01B			13	S	1		2	DECIDUOUS WOODLAND	110			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				
08/15/94	1040	NORTHERN HARRIER	CICY1	BZ				4	M	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
10/28/94	734	NORTHERN HARRIER	CICY1	BZ				10	H	5		2	BOTTOMLAND SHRUBLAND	210			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1		1		
12/13/94	754	NORTHERN HARRIER	CICY1	BZ	BS01B			13	F	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
08/31/94	1006	NORTHERN HARRIER	CICY1	BZ	RS01B			14	G	5		2	TALL UPLAND SHRUBLAND	230			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1		1		
09/20/94	845	NORTHERN HARRIER	CICY1	BZ	RS01B			15	G	5		2	TALL UPLAND SHRUBLAND	230			1				1
10/10/94	800	NORTHERN HARRIER	CICY1	BZ	BS02B			14	H	1		2	TALL UPLAND SHRUBLAND	230			1				1
11/21/94	720	NORTHERN HARRIER	CICY1	BZ	BS02B			14	J	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	3				3
12/21/94	930	NORTHERN HARRIER	CICY1	BZ	RA03B			6	J	1		2	MESIC MIXED GRASSLAND	322			1				1
12/22/94	1358	NORTHERN HARRIER	CICY1	BZ				13	H	5		2	MESIC MIXED GRASSLAND	322			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2		1		1
03/22/94	821	NORTHERN HARRIER	CICY1	BZ	RA01B			6	K	5		2	MESIC MIXED GRASSLAND	322			1	1			
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1	1			
07/19/94	635	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	5		2	MESIC MIXED GRASSLAND	322			1		1		
07/19/94	630	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	5		2	MESIC MIXED GRASSLAND	322			1		1		
08/09/94	730	NORTHERN HARRIER	CICY1	BZ				5	P	5		2	MESIC MIXED GRASSLAND	322			1				1
08/15/94	835	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	5		2	MESIC MIXED GRASSLAND	322			1	1			
08/24/94	746	NORTHERN HARRIER	CICY1	BZ	RA02B	OU6		11	N	5		2	MESIC MIXED GRASSLAND	322			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	5	1	3		1
09/21/94	1609	NORTHERN HARRIER	CICY1	BZ	RA02B			10	O	5		2	MESIC MIXED GRASSLAND	322			1				1
10/14/94	700	NORTHERN HARRIER	CICY1	BZ				13	H	5		2	MESIC MIXED GRASSLAND	322			1				1
10/27/94	800	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	1		2	MESIC MIXED GRASSLAND	322			1				1
11/17/94	820	NORTHERN HARRIER	CICY1	BZ	BA01B			6	K	5		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	1104	NORTHERN HARRIER	CICY1	BZ				10	Q	5		2	MESIC MIXED GRASSLAND	322			1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	5		1		4
10/10/94	915	NORTHERN HARRIER	CICY1	BZ	BX02R			14	I	1		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	31				
12/05/94	751	PEREGRINE FALCON	FAPE1	BZ				13	P	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
05/04/94	1105	PEREGRINE FALCON	FAPE1	BZ	RW01A	OU5		7	P	5		2	BOTTOMLAND SHRUBLAND	210	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1

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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS						
04/21/94	1119	PEREGRINE FALCON	FAPE1	BZ				4	L	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1						
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																						3					
03/04/94	1030	PRAIRIE FALCON	FAME1	BZ				11	G	5		2	MESIC MIXED GRASSLAND	322			1				1						
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																						1					
12/19/94	1034	RED-TAILED HAWK	BUJA1	BZ	RW02B			5	O	1		2	DECIDUOUS WOODLAND	110			1				1						
02/01/94	1500	RED-TAILED HAWK	BUJA1	BZ	RW01A			7	O	1		2	DECIDUOUS WOODLAND	110			1				1						
02/01/94	1343	RED-TAILED HAWK	BUJA1	BZ	RW03A	OU5		7	I	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
02/21/94	1245	RED-TAILED HAWK	BUJA1	BZ	RS03B			7	O	0		2	DECIDUOUS WOODLAND	110			1				1						
02/25/94	1450	RED-TAILED HAWK	BUJA1	BZ				6	F	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1						
02/28/94	920	RED-TAILED HAWK	BUJA1	BZ	RA03B			7	K	0		2	DECIDUOUS WOODLAND	110			1				1						
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	6				6						
03/04/94	659	RED-TAILED HAWK	BUJA1	BZ				17	K	0	0	2	DECIDUOUS WOODLAND	110			1				1						
03/16/94	1511	RED-TAILED HAWK	BUJA1	BZ		OU11		9	F	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
03/18/94	1537	RED-TAILED HAWK	BUJA1	BZ				17	L	0		2	DECIDUOUS WOODLAND	110			1				1						
03/18/94	1405	RED-TAILED HAWK	BUJA1	BZ				7	O	5		2	DECIDUOUS WOODLAND	110			2				2						
03/21/94	1451	RED-TAILED HAWK	BUJA1	BZ	RW03B	OU5		7	G	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1						
03/25/94	810	RED-TAILED HAWK	BUJA1	BZ	BW01R			16	J	0		2	DECIDUOUS WOODLAND	110			2				2						
04/13/94	730	RED-TAILED HAWK	BUJA1	BZ	BW01R			7	L	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
04/28/94	700	RED-TAILED HAWK	BUJA1	BZ				6	R	0		2	DECIDUOUS WOODLAND	110			1				1						
05/16/94	735	RED-TAILED HAWK	BUJA1	BZ	BW01R			16	J	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1	1									
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	11				11						
06/08/94		RED-TAILED HAWK	BUJA1	BZ	BW01R			17	K	0		2	DECIDUOUS WOODLAND	110			2				2						
06/08/94	710	RED-TAILED HAWK	BUJA1	BZ				16	K	0		2	DECIDUOUS WOODLAND	110			2				2						
06/09/94	915	RED-TAILED HAWK	BUJA1	BZ	BS03B			5	R	0		2	DECIDUOUS WOODLAND	110			1				1						
06/09/94		RED-TAILED HAWK	BUJA1	BZ	BW01A	OU5		7	J	1		2	DECIDUOUS WOODLAND	110			1				1						
06/14/94	740	RED-TAILED HAWK	BUJA1	BZ	BW01R			15	I	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
06/14/94	1314	RED-TAILED HAWK	BUJA1	BZ	RW02B			5	P	1		2	DECIDUOUS WOODLAND	110			2				2						
06/23/94		RED-TAILED HAWK	BUJA1	BZ	BW01R			16	K	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
06/29/94	730	RED-TAILED HAWK	BUJA1	BZ	BW01R			15	I	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
07/26/94	1451	RED-TAILED HAWK	BUJA1	BZ	RW01B			13	R	1		2	DECIDUOUS WOODLAND	110			1				1						
08/05/94	935	RED-TAILED HAWK	BUJA1	BZ				16	K	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
08/09/94	1955	RED-TAILED HAWK	BUJA1	BZ				5	Q	0		4	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1						
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	14				14						
09/22/94	848	RED-TAILED HAWK	BUJA1	BZ	RW01B			13	T	5		2	DECIDUOUS WOODLAND	110			2				2						
10/04/94	1545	RED-TAILED HAWK	BUJA1	BZ				4	U	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
10/04/94	1530	RED-TAILED HAWK	BUJA1	BZ				4	U	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1						
10/07/94	900	RED-TAILED HAWK	BUJA1	BZ	RS03B			4	T	1		2	DECIDUOUS WOODLAND	110			1				1						
10/25/94	855	RED-TAILED HAWK	BUJA1	BZ	RW01B			13	S	1		2	DECIDUOUS WOODLAND	110			1				1						
11/14/94	1358	RED-TAILED HAWK	BUJA1	BZ	RA02B	OU6		11	P	5		2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	1				1						
11/18/94	1010	RED-TAILED HAWK	BUJA1	BZ				7	O	0		2	DECIDUOUS WOODLAND	110			1				1						

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(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	8				8
07/14/94	1000	RED-TAILED HAWK	BUJA1	BZ	BA01R			11	E	1		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
10/14/94	730	RED-TAILED HAWK	BUJA1	BZ	BS01B			14	H	0		2	PONDEROSA WOODLAND	120	TALL UPLAND SHRUBLAND	230	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
09/29/94	733	RED-TAILED HAWK	BUJA1	BZ	RW02B			5	P	1		2	BOTTOMLAND SHRUBLAND	210			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
02/22/94	1405	RED-TAILED HAWK	BUJA1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
06/13/94	1340	RED-TAILED HAWK	BUJA1	BZ				11	E	5		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1				1
06/14/94		RED-TAILED HAWK	BUJA1	BZ	BS02B			14	J	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	1				1
08/05/94	1105	RED-TAILED HAWK	BUJA1	BZ	BSO2B			14	J	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	4				4
12/19/94	745	RED-TAILED HAWK	BUJA1	BZ	BS02B			14	I	5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	1				1
12/20/94	1122	RED-TAILED HAWK	BUJA1	BZ		OU6		11	O	5		2	MESIC MIXED GRASSLAND	322			1				1
12/22/94	1301	RED-TAILED HAWK	BUJA1	BZ				8	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
02/01/94	1511	RED-TAILED HAWK	BUJA1	BZ	RA02B	OU6		11	P	1		2	MESIC MIXED GRASSLAND	322			1				1
02/28/94	1125	RED-TAILED HAWK	BUJA1	BZ	RG03B			5	P	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	5				5
03/04/94	1315	RED-TAILED HAWK	BUJA1	BZ		OU5		7	J	5		2	MESIC MIXED GRASSLAND	322			1				1
03/04/94	1115	RED-TAILED HAWK	BUJA1	BZ		OU6		12	P	5		2	MESIC MIXED GRASSLAND	322			1				1
03/16/94	1526	RED-TAILED HAWK	BUJA1	BZ		OU11		8	E	1		2	MESIC MIXED GRASSLAND	322			1				1
03/18/94	1400	RED-TAILED HAWK	BUJA1	BZ	POND B-5	OU6		11	Q	5		2	MESIC MIXED GRASSLAND	322	OPEN SHALLOW WATER	54	1				1
03/18/94	1534	RED-TAILED HAWK	BUJA1	BZ				15	G	5		2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	1				1
03/21/94	1528	RED-TAILED HAWK	BUJA1	BZ	RG02A	OU5		7	I	1		2	MESIC MIXED GRASSLAND	322			1				1
05/02/94	1245	RED-TAILED HAWK	BUJA1	BZ	RW02B			5	O	1		2	MESIC MIXED GRASSLAND	322			1				1
05/04/94	1015	RED-TAILED HAWK	BUJA1	BZ	POND A-4	OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
05/04/94	1430	RED-TAILED HAWK	BUJA1	BZ		OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
05/11/94		RED-TAILED HAWK	BUJA1	BZ	BG01B			5	G	1		2	MESIC MIXED GRASSLAND	322			2	1	1		
05/13/94	1401	RED-TAILED HAWK	BUJA1	BZ	RG02A	OU5		7	J	1		2	MESIC MIXED GRASSLAND	322			1				1
05/16/94		RED-TAILED HAWK	BUJA1	BZ	BG02A			7	L	1		2	MESIC MIXED GRASSLAND	322			1				1
05/20/94	1059	RED-TAILED HAWK	BUJA1	BZ				7	B	5		2	MESIC MIXED GRASSLAND	322			1				1
05/20/94	858	RED-TAILED HAWK	BUJA1	BZ				17	I	5		2	MESIC MIXED GRASSLAND	322			1				1
05/24/94	1120	RED-TAILED HAWK	BUJA1	BZ				5	U	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	16	1	1		14
06/01/94	1500	RED-TAILED HAWK	BUJA1	BZ		OU5		7	P	5		2	MESIC MIXED GRASSLAND	322			1				1
06/08/94		RED-TAILED HAWK	BUJA1	BZ	BG02B	OU11		9	D	1		2	MESIC MIXED GRASSLAND	322			1				1
06/13/94	920	RED-TAILED HAWK	BUJA1	BZ	BA01R			11	F	5		2	MESIC MIXED GRASSLAND	322			1				1
06/16/94	1547	RED-TAILED HAWK	BUJA1	BZ	RG03B			4	P	1		2	MESIC MIXED GRASSLAND	322			2				2
06/23/94	747	RED-TAILED HAWK	BUJA1	BZ		OU1		8	L	5		2	MESIC MIXED GRASSLAND	322	DISTURBED/BARREN LANDS	420	1				1
06/24/94		RED-TAILED HAWK	BUJA1	BZ	BD01B			8	C	1		2	MESIC MIXED GRASSLAND	322	DISTURBED/BARREN LANDS	420	1				1

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07/12/94	930	RED-TAILED HAWK	BUJA1	BZ	BG01R			13	R	5		2	MESIC MIXED GRASSLAND	322			1				1
07/12/94	930	RED-TAILED HAWK	BUJA1	BZ				13	S	5		2	MESIC MIXED GRASSLAND	322			1				1
07/19/94	830	RED-TAILED HAWK	BUJA1	BZ	BX01R			14	H	1		2	MESIC MIXED GRASSLAND	322			1				1
07/19/94	830	RED-TAILED HAWK	BUJA1	BZ	BX01R			13	F	5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	1				1
07/26/94	1330	RED-TAILED HAWK	BUJA1	BZ	RS02B			16	L	1		2	MESIC MIXED GRASSLAND	322			1				1
08/19/94	835	RED-TAILED HAWK	BUJA1	BZ	BW01R			17	L	1		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	1				1
08/23/94	910	RED-TAILED HAWK	BUJA1	BZ				2	K	5		2	MESIC MIXED GRASSLAND	322			1				1
08/31/94	1007	RED-TAILED HAWK	BUJA1	BZ	RS01B			14	G	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	15				15
09/20/94	715	RED-TAILED HAWK	BUJA1	BZ	BW01R			17	K	1		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	1				1
09/21/94	1549	RED-TAILED HAWK	BUJA1	BZ	RA02B	OU6		11	P	5		2	MESIC MIXED GRASSLAND	322			1				1
09/28/94	1100	RED-TAILED HAWK	BUJA1	BZ				16	U	5		2	MESIC MIXED GRASSLAND	322			1				1
10/10/94	900	RED-TAILED HAWK	BUJA1	BZ		OU5		7	J	5		2	MESIC MIXED GRASSLAND	322			1				1
10/27/94	800	RED-TAILED HAWK	BUJA1	BZ	BX01B			11	R	1		2	MESIC MIXED GRASSLAND	322			1				1
10/31/94	1305	RED-TAILED HAWK	BUJA1	BZ				7	N	5		2	MESIC MIXED GRASSLAND	322			1				1
11/21/94	933	RED-TAILED HAWK	BUJA1	BZ	BG01R			15	P	1		2	MESIC MIXED GRASSLAND	322			1				1
11/22/94	821	RED-TAILED HAWK	BUJA1	BZ	BW01B			17	K	1		2	MESIC MIXED GRASSLAND	322			1				1
11/22/94	1205	RED-TAILED HAWK	BUJA1	BZ	POND A-4	OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322			1				1
11/22/94	1420	RED-TAILED HAWK	BUJA1	BZ		OU5		7	G	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	10				10
06/21/94	859	RED-TAILED HAWK	BUJA1	BZ	RS01B			14	E	1		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
09/19/94	1015	RED-TAILED HAWK	BUJA1	BZ	BX01L			11	F	1		2	XERIC MIXED GRASSLAND	323			1				1
09/20/94	1350	RED-TAILED HAWK	BUJA1	BZ	RG02B			16	O	5		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2				2
05/03/94	715	RED-TAILED HAWK	BUJA1	BZ				3	S	5		2	RECLAIMED MIXED GRASSLAND	324	SHORT MARSH	20	1				1
05/23/94	632	RED-TAILED HAWK	BUJA1	BZ	RG01A	OU1		8	M	1		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2				2
10/07/94	830	RED-TAILED HAWK	BUJA1	BZ	BD02B			4	U	1		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
02/03/94	1355	RED-TAILED HAWK	BUJA1	BZ				6	C	1		2	DISTURBED/BARREN LANDS	420			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
05/20/94	828	RED-TAILED HAWK	BUJA1	BZ		OU6&7		12	K	5		2	DISTURBED/BARREN LANDS	420			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
02/28/94	1023	RED-TAILED HAWK	BUJA1	BZ	RW02B			4	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
03/04/94	830	RED-TAILED HAWK	BUJA1	BZ				4	N	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2				2
10/28/94	1109	RED-TAILED HAWK	BUJA1	BZ				17	P	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1
11/28/94	940	RED-TAILED HAWK	BUJA1	BZ				6	O	0	1	2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2				2

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
07/14/94	1000	RED-TAILED HAWK	BUJA1	BZ	BA01R			11	E	0		2	FENCE POST	560	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	107				1
12/07/94	958	RED-TAILED HAWK	BUJA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
12/07/94	1144	RED-TAILED HAWK	BUJA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
12/07/94	1141	RED-TAILED HAWK	BUJA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
01/14/94	1513	RED-TAILED HAWK	BUJA1	EA			COALTON/H RANCH			0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	4				4
10/10/94	1615	RED-TAILED HAWK	BUJA1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
10/13/94	850	RED-TAILED HAWK	BUJA1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	2				2
10/28/94	1035	RED-TAILED HAWK	BUJA1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
11/28/94	1226	RED-TAILED HAWK	BUJA1	EA			MCCASLIN/COALTN			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1			1	1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	5				4
01/14/94	1520	RED-TAILED HAWK	BUJA1	EA			COALTON/GUNCLUB			5		2	MESIC MIXED GRASSLAND	322			2				2
01/14/94	1530	RED-TAILED HAWK	BUJA1	EA			COALTON/MCCASL.			5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	3				3
05/20/94	1031	RED-TAILED HAWK	BUJA1	EA			98TH/WALKIRE			5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
06/20/94	1100	RED-TAILED HAWK	BUJA1	EA			INDIANA/G. WEST			5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
10/12/94	1115	RED-TAILED HAWK	BUJA1	EA			84TH/ALKIRE			5		2	MESIC MIXED GRASSLAND	322			2				2
10/28/94	1049	RED-TAILED HAWK	BUJA1	EA			MCCASLIN/COALTN			5		2	MESIC MIXED GRASSLAND	322			1				1
10/28/94	1039	RED-TAILED HAWK	BUJA1	EA			SIMMS/WAL. CK.			5		2	MESIC MIXED GRASSLAND	322			1			1	1
10/28/94	1040	RED-TAILED HAWK	BUJA1	EA			SIMMS/WTP			5		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	1249	RED-TAILED HAWK	BUJA1	EA			ALKIRE/100TH			5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	6				5
10/06/94	1030	RED-TAILED HAWK	BUJA1	EA			ALKIRE/ABBOTT'S			5		2	GRAZED DOWN PASTURE	325			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
03/18/94	1247	RED-TAILED HAWK	BUJA1	EA			INDIANA/HWY 128			0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
10/12/94	1135	RED-TAILED HAWK	BUJA1	EA			MCCASLIN/HWY128			0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
10/28/94	1100	RED-TAILED HAWK	BUJA1	EA			MCCASLIN/HWY128			0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	2				2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	24				24
11/23/94	1100	ROUGH-LEGGED HAWK	BULA1	BZ	RW02B			4	M	5		2	SHORT MARSH	20			1				1
11/28/94	1121	ROUGH-LEGGED HAWK	BULA1	BZ				13	H	5		2	SHORT MARSH	20			1				1
12/12/94	941	ROUGH-LEGGED HAWK	BULA1	BZ	BA01R			13	H	1		2	SHORT MARSH	20			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	3				3
12/20/94	953	ROUGH-LEGGED HAWK	BULA1	BZ	RA01B			13	H	5		2	TALL MARSH	30			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
01/25/94	1245	ROUGH-LEGGED HAWK	BULA1	BZ	RA01B			11	E	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1

BZ = Buffer Zone
IA = Industrial Area
EA = Extended Obs. Area

TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
02/21/94	910	ROUGH-LEGGED HAWK	BULA1	BZ	BW01A			7	N	0		2	DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2				2
08/19/94	650	ROUGH-LEGGED HAWK	BULA1	BZ	BG02A			8	N	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
11/14/94	1307	ROUGH-LEGGED HAWK	BULA1	BZ	RA02B	OU6		11	M	5		2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
02/01/94	1442	ROUGH-LEGGED HAWK	BULA1	BZ	RA02A			6	I	0	1	2	APPLE TREE	130	SHORT MARSH	20	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
03/18/94	1510	ROUGH-LEGGED HAWK	BULA1	BZ				6	I	0		2	TREE PLANTING (ORCHARD)	130	SHORT MARSH	20	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
12/06/94	1040	ROUGH-LEGGED HAWK	BULA1	BZ				13	F	5		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
12/05/94	805	ROUGH-LEGGED HAWK	BULA1	BZ				16	L	5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	1				1
12/12/94	941	ROUGH-LEGGED HAWK	BULA1	BZ	BA01R			11	E	1		2	MESIC MIXED GRASSLAND	322			1				1
12/12/94	810	ROUGH-LEGGED HAWK	BULA1	BZ	BW01R			16	K	1	6	2	MESIC MIXED GRASSLAND	322			2				2
12/20/94	1347	ROUGH-LEGGED HAWK	BULA1	BZ	RA04B			4	R	1		2	MESIC MIXED GRASSLAND	322			1				1
12/22/94	1301	ROUGH-LEGGED HAWK	BULA1	BZ				2	J	5		2	MESIC MIXED GRASSLAND	322			2				2
12/22/94	1407	ROUGH-LEGGED HAWK	BULA1	BZ				15	I	5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	1				1
01/14/94	1415	ROUGH-LEGGED HAWK	BULA1	BZ				13	H	1	5	2	MESIC MIXED GRASSLAND	322			1				1
01/25/94	1424	ROUGH-LEGGED HAWK	BULA1	BZ	RG02B			16	Q	1		2	MESIC MIXED GRASSLAND	322			1				1
02/01/94	1511	ROUGH-LEGGED HAWK	BULA1	BZ	RA02B	OU6		11	P	1		2	MESIC MIXED GRASSLAND	322			1				1
02/02/94	830	ROUGH-LEGGED HAWK	BULA1	BZ				13	G	5		2	MESIC MIXED GRASSLAND	322			1				1
02/21/94	910	ROUGH-LEGGED HAWK	BULA1	BZ	BS01B			13	H	1		2	MESIC MIXED GRASSLAND	322			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	14				14
03/04/94	1115	ROUGH-LEGGED HAWK	BULA1	BZ				15	P	5		2	MESIC MIXED GRASSLAND	322			1				1
03/04/94	1030	ROUGH-LEGGED HAWK	BULA1	BZ		OU11		8	F	5		2	MESIC MIXED GRASSLAND	322			1				1
03/30/94	1021	ROUGH-LEGGED HAWK	BULA1	BZ	RG03B			2	M	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	3				3
11/22/94	1511	ROUGH-LEGGED HAWK	BULA1	BZ		OU1		8	L	5		2	MESIC MIXED GRASSLAND	322			1				1
11/22/94	1420	ROUGH-LEGGED HAWK	BULA1	BZ		OU5		7	G	5		2	MESIC MIXED GRASSLAND	322			1				1
11/28/94	1151	ROUGH-LEGGED HAWK	BULA1	BZ				17	L	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	3				3
11/21/94	840	ROUGH-LEGGED HAWK	BULA1	BZ	BX01L			12	G	1		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
12/13/94	835	ROUGH-LEGGED HAWK	BULA1	BZ	BX01B			14	H	5		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1				1
01/25/94	1028	ROUGH-LEGGED HAWK	BULA1	BZ	RW02B			5	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
12/05/94	753	ROUGH-LEGGED HAWK	BULA1	BZ				14	P	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1
12/05/94	852	ROUGH-LEGGED HAWK	BULA1	BZ				16	Q	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
12/22/94	901	ROUGH-LEGGED HAWK	BULA1	BZ				10	Q	0		2	POWER TOWER	510			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	4				4

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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS	
03/04/94	711	ROUGH-LEGGED HAWK	BULA1	BZ				15	Q	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322	1				1	
03/04/94	822	ROUGH-LEGGED HAWK	BULA1	BZ				2	G	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322					1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2					2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	39					
12/07/94	1208	ROUGH-LEGGED HAWK	BULA1	EA						5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/07/94	1205	ROUGH-LEGGED HAWK	BULA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/07/94	1201	ROUGH-LEGGED HAWK	BULA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1452	ROUGH-LEGGED HAWK	BULA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
12/14/94	1450	ROUGH-LEGGED HAWK	BULA1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	5					5
10/13/94	850	ROUGH-LEGGED HAWK	BULA1	EA			100TH/SAMPLER			5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
10/28/94	1035	ROUGH-LEGGED HAWK	BULA1	EA			100TH/NEST			0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1	
11/28/94	1252	ROUGH-LEGGED HAWK	BULA1	EA			96TH/ALKIRE			0		2	DECIDUOUS WOODLAND	110			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	3					3
01/14/94	1443	ROUGH-LEGGED HAWK	BULA1	EA			HWY 128/INDIANA			1	5	2	MESIC MIXED GRASSLAND	322			1				1	
01/14/94	1520	ROUGH-LEGGED HAWK	BULA1	EA			COALTON/GUNCLUB			0		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	2					2
10/06/94	1035	ROUGH-LEGGED HAWK	BULA1	EA			ALKIRE/86TH			5	0	2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	2				2	
10/12/94	1110	ROUGH-LEGGED HAWK	BULA1	EA			96TH/ALKIRE			5		2	MESIC MIXED GRASSLAND	322			1				1	
11/28/94	1235	ROUGH-LEGGED HAWK	BULA1	EA			SIMMS/HWY 128			5		2	MESIC MIXED GRASSLAND	322			1				1	
11/28/94	1237	ROUGH-LEGGED HAWK	BULA1	EA			SIMMS/HWY 128			5		2	MESIC MIXED GRASSLAND	322			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	5					5
12/07/94	1104	ROUGH-LEGGED HAWK	BULA1	EA						0		2	POWER POLE	510	CULTIVATED LAND	430	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1					1
12/07/94	1000	ROUGH-LEGGED HAWK	BULA1	EA						12		2	FENCE POST	540	MESIC MIXED GRASSLAND	322	1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING WINTER																	1					1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	17					
10/14/94	1023	SHARP-SHINNED HAWK	ACST1	BZ	POND D-2			2	T	0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54	1				1	
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	1					1
08/26/94		SHORT-EARED OWL	ASFL1	BZ	BS02B			14	G	0		2	TALL UPLAND SHRUBLAND	230			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1					1
11/21/94	1015	SHORT-EARED OWL	ASFL1	BZ	RS02B			14	F	0		2	TALL UPLAND SHRUBLAND	230			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1					1
07/25/94	708	SHORT-EARED OWL	ASFL1	BZ	RS03B			5	S	5		2	COTTONWOOD TREE	110			1				1	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1					1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	3					3
06/28/94	1527	SWAINSON'S HAWK	BUSW1	BZ	RA02B			10	O	1		2	TALL MARSH	30			2				2	
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2					2
04/28/94	800	SWAINSON'S HAWK	BUSW1	BZ				4	U	0		2	DECIDUOUS WOODLAND	110			1				1	
04/29/94	1320	SWAINSON'S HAWK	BUSW1	BZ	RW03B	OU5		7	I	1		2	DECIDUOUS WOODLAND	110			1				1	
05/20/94	728	SWAINSON'S HAWK	BUSW1	BZ				4	U	12		2	DECIDUOUS WOODLAND	110			1			1	1	

BZ = Buffer Zone
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EA = Extended Obs. Area

TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
05/20/94	730	SWAINSON'S HAWK	BUSW1	BZ				4	U	10		2	DECIDUOUS WOODLAND	110			1				1
05/25/94	955	SWAINSON'S HAWK	BUSW1	BZ				5	U	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	5			1	4
06/20/94		SWAINSON'S HAWK	BUSW1	BZ				5	U	1		2	DECIDUOUS WOODLAND	110			1				1
06/28/94	1359	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	N	9		2	DECIDUOUS WOODLAND	110			1		1		
06/28/94	1350	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	M	1		2	DECIDUOUS WOODLAND	110			1	1			
06/29/94	640	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	9		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLANDS	322	1		1		
07/01/94	900	SWAINSON'S HAWK	BUSW1	BZ				4	U	0		2	DECIDUOUS WOODLAND	110			1				1
07/19/94	1330	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	9	0	2	DECIDUOUS WOODLAND	110	POWER POLE	510	2	1	1		
08/03/94	1543	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	1				1
08/03/94	1540	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	0		2	DECIDUOUS WOODLAND	110	POWER POLE	510	2			1	1
08/19/94	940	SWAINSON'S HAWK	BUSW1	BZ		OU6		11	M	0		2	DECIDUOUS WOODLAND	110			1				1
08/24/94	724	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	M	1		2	DECIDUOUS WOODLAND	110			2	1	1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	13	3	4	2	4
10/05/94	1450	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	M	0		2	DECIDUOUS WOODLAND	110			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
07/26/94	1407	SWAINSON'S HAWK	BUSW1	BZ	RS02B			16	L	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
05/16/94		SWAINSON'S HAWK	BUSW1	BZ	BA01R			12	G	1		2	MESIC MIXED GRASSLAND	322			1				1
05/18/94	835	SWAINSON'S HAWK	BUSW1	BZ	BX01B			12	S	5		2	MESIC MIXED GRASSLAND	322			1				1
05/18/94	650	SWAINSON'S HAWK	BUSW1	BZ				11	E	1		2	MESIC MIXED GRASSLAND	322	PONDEROSA WOODLAND	120	2				2
05/20/94	959	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O	5		2	MESIC MIXED GRASSLAND	322			1				1
05/20/94	735	SWAINSON'S HAWK	BUSW1	BZ				11	S	5		2	MESIC MIXED GRASSLAND	322			1				1
05/24/94	1120	SWAINSON'S HAWK	BUSW1	BZ				5	U	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	7				7
06/01/94	1335	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O	1	0	2	MESIC MIXED GRASSLAND	322			2	1	1		
06/16/94	1130	SWAINSON'S HAWK	BUSW1	BZ		OU2		9	N	5		2	MESIC MIXED GRASSLAND	322			1				1
06/24/94		SWAINSON'S HAWK	BUSW1	BZ	BG02B	OU11		9	D	1		2	MESIC MIXED GRASSLAND	322			1				1
08/01/94	640	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	5	0	2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	2			1	1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	6	1	1	1	3
09/28/94	1100	SWAINSON'S HAWK	BUSW1	BZ				16	U	5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																	1				1
06/09/94		SWAINSON'S HAWK	BUSW1	BZ	BX01B			11	S	1		2	XERIC MIXED GRASSLAND	323			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
06/23/94	950	SWAINSON'S HAWK	BUSW1	BZ		OU6&7		12	L	5	1	2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
06/24/94	845	SWAINSON'S HAWK	BUSW1	BZ		OU1		8	L	1		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
05/26/94	1437	SWAINSON'S HAWK	BUSW1	BZ		OU2		10	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
06/13/94	950	SWAINSON'S HAWK	BUSW1	BZ	POND B-2			10	O	0		2	POWERPOLE	510	MESIC MIXED GRASSLAND	322	1				1

BZ = Buffer Zone
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TABLE 15. RAPTOR SPECIES OBSERVATIONS AT ROCKY FLATS DURING 1994
(SORTED BY HABITAT)

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	ROAD NAME	RF GRID N	RF GRID E	ACT-IVTY 1	ACT-IVTY 2	DAY NITE	HABITAT	HAB TYPE	HABITAT2	HAB TYPE2	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS
06/16/94	1410	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1	1			
06/20/94	1230	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O	0		2	POWER POLE	510	MEISC MIXED GRASSLAND	322	1				1
06/29/94	640	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1	1			
06/29/94	635	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	5	2			3
09/21/94	1608	SWAINSON'S HAWK	BUSW1	BZ	RA02B			10	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING FALL																					
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	46				
05/20/94	1046	SWAINSON'S HAWK	BUSW1	EA			SIMMS/WTP			8		2	DECIDUOUS WOODLAND	110	CULTIVATED LANDS	430	1		1		
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				
05/20/94	1040	SWAINSON'S HAWK	BUSW1	EA			SIMMS/WTP			5		2	MESIC MIXED GRASSLAND	322			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2				2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	3				
08/05/94	1120	TURKEY VULTURE	CAAU1	BZ				13	G	1		2	SHORT MARSH	20	MESIC MIXED GRASSLAND	322	1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
05/04/94	1545	TURKEY VULTURE	CAAU1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
06/20/94	1012	TURKEY VULTURE	CAAU1	BZ				14	F	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	3				3
07/19/94	730	TURKEY VULTURE	CAAU1	BZ	BS01B			13	F	1		2	TALL UPLAND SHRUBLAND	230			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	4				4
05/04/94	945	TURKEY VULTURE	CAAU1	BZ				1	S	5		2	MESIC MIXED GRASSLAND	322			4				4
05/16/94		TURKEY VULTURE	CAAU1	BZ	BG02A			7	K	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	5				5
06/20/94	1441	TURKEY VULTURE	CAAU1	BZ	RG02B			17	N	1		2	MESIC MIXED GRASSLAND	322			1				1
06/27/94	951	TURKEY VULTURE	CAAU1	BZ				1	T	5		2	MESIC MIXED GRASSLAND	322			1				1
08/23/94	1130	TURKEY VULTURE	CAAU1	BZ				10	Q	1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	3				3
05/04/94	940	TURKEY VULTURE	CAAU1	BZ	BD03B			3	Q	1		2	RECLAIMED MIXED GRASSLAND	324			2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	2				2
06/27/94		TURKEY VULTURE	CAAU1	BZ	BD03B			13	T	1		2	RECLAIMED MIXED GRASSLAND	324			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
06/20/94	1157	TURKEY VULTURE	CAAU1	BZ	RG02B			17	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	2				2
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	2				2
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																	19				
05/20/94	1035	TURKEY VULTURE	CAAU1	EA			100TH/NEST			1		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SPRING																	1				1
06/20/94	1100	TURKEY VULTURE	CAAU1	EA			INDIANAVG. WEST			5		2	MESIC MIXED GRASSLAND	322			1				1
NUMBER OF INDIVIDUAL SIGHTINGS IN THIS HABITAT DURING SUMMER																	1				1
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES IN EXTENDED OBSERVATION AREA																	2				2

BZ = Buffer Zone
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EA = Extended Obs. Area

Relative Abundance Surveys - Raptors

During relative abundance surveys all raptors encountered were recorded, as were all animal species. Analyses of combined survey results indicate that the most common raptors at the Site year-round were Red-tailed Hawks (*Buteo jamaicensis*) (107 individual observations), followed by American Kestrels (*Falco sparverius*) (80 individual observations), Great Horned Owls (77 individual observations) and Northern Harriers (*Circus cyaneus*) (31 individual observations). The most common summer-season raptors, after those just listed, were Swainson's Hawks (*Buteo swainsoni*), Golden Eagles (*Aquila chrysaetos*) and Turkey Vultures (*Cathartes aura*). Winter visitors included Ferruginous Hawks, Prairie Falcons (*Falco mexicanus*), Rough-legged Hawks (*Buteo lagopus*), American Kestrels, Red-tailed Hawks, Bald Eagles, and Great Horned Owls. Other raptor species recorded as occasional visitors were Short-eared Owls (*Asio flammeus*) and Long-eared Owls (*Asio otus*).

Fortuitous Sightings - Raptors

Fortuitous observations produced one Sharp-shinned Hawk (*Accipiter striatus*), two Merlins (*Falco columbarius*), three Peregrine Falcons, one Prairie Falcon (*Falco mexicanus*), and four Burrowing Owls. These fortuitous sightings were recorded as they occurred and were subsequently entered into the Significant Species Database.

Site-wide Significant Species Surveys - Raptors

A winter site-wide diurnal survey, conducted the morning of January 2, 1994 provided observations on the Site of three Rough-legged Hawks, three Golden Eagles, and three Great Horned Owls. A spring season survey on May 4, 1994 discovered the presence of one American Kestrel, one Golden Eagle, two Great Horned Owls, one Peregrine Falcon, two Red-tailed Hawks, and three Turkey Vultures. A late November survey demonstrated the change of species with the season by providing sightings of two American Kestrels, one Bald Eagle, one Great Horned Owl, two Northern Harriers, one Red-tailed Hawk, and two Rough-legged Hawks in the Buffer Zone. On the same date, three Ferruginous Hawks, one Golden Eagle, two Red-tailed Hawks, and three Rough-legged Hawks were recorded in the extended observation area.

Site-wide surveys such as these typically record larger total numbers of raptors during the winter months, reflecting the migration of northern birds to the area because of an abundant population of prey species. The relatively mild winter weather in the vicinity, in combination with the extensive prey base, provides an excellent wintering area for birds-of-prey. The winter of 1994 exhibited the usual influx of raptors during late October and November, but apparently due to the lack of prey due after the prairie dog die-off during the summer, raptor numbers in the area declined as winter progressed. This was no doubt due to the out-migration of raptors to areas with larger prey bases. The overall number of Bald Eagles observed in the vicinity of the Site increased in

1994, but the overall number of over-wintering raptors declined after November 1994.

3.3.4 Game Birds

Few game birds inhabit the Site. Species observed have been limited to Ring-necked Pheasant (*Phasianus colchicus*) and Wild Turkey (*Meleagris gallopavo*) (DOE 1992). Only Ring-necked Pheasants have been observed on the Site in 1993 (DOE 1994) and 1994. As shown in Table 16, this species prefers brushy riparian habitat with dense cover, such as bottomland shrublands.

TABLE 16. UPLAND GAME BIRD OBSERVATIONS AT ROCKY FLATS DURING 1994

DATE	TIME	SPECIES	SPEC CODE	ADMN AREA	SITE NAME	OP UNIT	RF GRID N	RF GRID E	ACT-IVTY 1	HABITAT	HAB TYPE	TEMP	WND SPEED	WIND DRCT	CLOUD CVR	GRUP SIZE	NO. MALE	NO. FEMALE	NO. YNG	UN-CLASS							
03/30/94		RING-NECKED PHEASANT	PHCO1	BZ	BW01A		7	L	0	BOTTOMLAND SHRUBLAND	210	5	0			1	1										
06/10/94	1012	RING-NECKED PHEASANT	PHCO1	BZ	RW01A		7	K	17	DECIDUOUS WOODLAND	110	22	5	SE		1	1										
12/19/94	1445	RING-NECKED PHEASANT	PHCO1	BZ	RW01A		7	N	0	DECIDUOUS WOODLAND	110	6	40	W		1	1										
11/21/94	1236	RING-NECKED PHEASANT	PHCO1	BZ	RW01A		7	K	0	BOTTOMLAND SHRUBLAND	210	0	5	S	4	1		1									
06/16/94	1417	RING-NECKED PHEASANT	PHCO1	BZ	RW02B		4	K	1	TALL MARSH	30	21	5	SW	2	1	1										
03/30/94	935	RING-NECKED PHEASANT	PHCO1	BZ	RW02B		4	M	0	BOTTOMLAND SHRUBLAND	210	10	5	SW		1	1										
05/02/94	1300	RING-NECKED PHEASANT	PHCO1	BZ	RW02B		4	M	0	BOTTOMLAND SHRUBLAND	210	13	5	E	8	1	1										
04/29/94	1305	RING-NECKED PHEASANT	PHCO1	BZ	RW03B	OU5	7	J	0	BOTTOMLAND SHRUBLAND	210	3	5	N	8	1	1										
TOTAL NUMBER OF INDIVIDUAL SIGHTINGS OF THIS SPECIES ONSITE																8											

BZ = Buffer Zone
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 EA = Extended Obs. Area

4.0 CONCLUSIONS

A long-term ecological monitoring program, such as the one conducted under the NRPCP is essential in identifying, describing, and quantifying fluctuations of wildlife populations, wildlife habitat use, and changes in the species using the Site as year-round or seasonal habitat. Wildlife population densities vary constantly due to natural pressures, and only well integrated, long-term monitoring can identify which factors influencing wildlife populations are a consequence of natural causes, and which are due to human activities. An integrated monitoring program that gathers data on ecologically interactive species is essential in evaluating population fluctuations. Such data can be an invaluable tool in predicting and avoiding impacts on the ecology of an area due to projected human activities.

The population trends of wildlife species tracked through the NRPCP are an indicator of the ecological health of the Site and surrounding areas. The NRPCP monitors ecological health through its many data gathering techniques. The healthier the natural environment, the more diverse the composition of species, and the greater the number of individuals of each species. All wildlife species in an ecosystem must have healthy and well balanced habitats in which to live and reproduce. Degraded habitat is directly reflected in the low numbers and poor health of wildlife, as reflected in the low species diversity found in disturbed habitats (see Section 3.3.1, pp. 55 and 75). Monitoring the numbers, habitat affinity, and apparent health of wildlife populations is one means of tracking overall trends in the ecological health of the Site.

The surveys and other monitoring performed by NRPCP at the Site during 1994 have contributed greatly to the growing body of data on wildlife species presence, diversity, and habitat use. The Buffer Zone provides a unique refuge along the central Front Range area for a very large number of bird and mammal species. The presence of this refuge is due in large part to two decades of protection from grazing, development, and other disturbances that the major portion of the Site has enjoyed. The area enclosed by the 1950's Buffer Zone has experienced this singular habitat protection for approximately 40 years. The exclusion of grazing and development has allowed the native prairie/montane ecotonal area to rebound to a near-pristine condition resembling the ungrazed, unfarmed prehistoric conditions. Virtually undisturbed native habitats, such as are found at the Site today, are nearly impossible to find elsewhere due to the large-scale real estate development and water diversions on large tracts of land along the Front Range. It is for this reason that rare species such as Peregrine Falcons, Eastern Short Horned Lizards, Burrowing Owls, Loggerhead Shrikes, Baird's Sparrows (*Ammodramus bairdii*), Grasshopper Sparrows, Water Shrews (*Sorex palustris*), and Preble's Meadow Jumping Mice (*Zapus hudsonius preblei*) can be found at the Site.

With 167 species of birds (including 19 species of raptors), three big game species, nine species of carnivores, and nine species of mid-sized mammals (not including the 15 small mammal species), the Site provides habitat to a surprising variety of wildlife.

Many of these species are sensitive species or indicator organisms that by their presence or, more significantly, by their absence can indicate the ecological health of an area. Their presence at the Site indicates a very healthy ecosystem. Conversely, if such sensitive species should dwindle in numbers or disappear, it would be an indication of a serious environmental health problem. Monitoring and surveys such as those carried out by the NRPCP can indicate trends of this sort, and act as an "early warning system" for impending ecological problems.

Special-concern, or sensitive species, continue to occupy the Site in limited numbers. Several sensitive species are regularly observed at the Site, indicating that the habitats are of good quality, and continue to meet the demands of those species. Some species such as the Eastern Short Horned Lizard, Loggerhead Shrike, and Preble's Meadow Jumping Mouse are year-round residents. Other species such as Bald Eagle, Peregrine Falcon, Baird's Sparrow, Ferruginous Hawk, American White Pelican (*Pelecanus erythrorhynchos*), Long-billed Curlew, Northern Goshawk, and Greater Sandhill Crane are seasonal residents or casual visitors.

The dominant big game species is Mule Deer, though White-tailed Deer and Elk also visit the Site on a casual basis. A minimum of 163 Mule Deer inhabited the Site during late 1994. The large number of deer present in the Buffer Zone (slightly in excess of 15 deer/mi²) is due both to excellent health of the habitat, and the protection afforded them by the prohibition of hunting within Site boundaries. The recorded population has varied over the last decade between 160 and 180 Mule Deer. These numbers indicate seasonal fluctuations resulting from an increase after fawning, and a subsequent decline as some fawns are lost to predators, and adults succumb to roadkill, old age, and predation. Fawn survival year to year appears to equal losses of individuals. The apparent health of the herd suggests that the herd is at or below the carrying capacity of the habitat.

The Black-tailed Prairie Dog population at the Site plummeted due to disease during 1994. While the populations are expected to rebound naturally, this drop in prey species may have a short-term effect on both avian and mammalian predator populations. When considered as part of the extended mosaic of colonies that surround Site, the prairie dog colonies at Site represent an insignificant 1 to 2 percent of the local area occupied by prairie dog colonies. With the decline in prairie dog populations in the extended observation area, there was an accompanying apparent decline in the number of over-wintering raptors. When the prey population rebounds, the raptor use is anticipated to also rebound.

Muskrats, Fox Squirrels, Porcupines, and Beaver continue to occupy the Site in appropriate habitat. Lagomorph species vary from abundant to scarce. Desert Cottontails are the dominant lagomorph species, with small numbers of Eastern Cottontails, White-tailed Jackrabbits, and Black-tailed Jackrabbits observed occasionally. Small mammals are not included in NRPCP surveys due to low visibility

and nocturnal habits. Trapping programs are the most effective method for establishing species presence and estimating populations. Small mammals population and habitat affinity data, including Preble's Meadow Jumping Mouse data, can be found in the Ecological Monitoring Program Annual Report (DOE 1993).

The diversity of carnivores present at Site is a reflection of the large number of habitats and ecological niches available at Site. It is probable that the large population of Coyotes (approximately 15), and the pack dynamics, keeps the numbers of other smaller species in check due to competition and territorialism. Other carnivores are also less frequently observed due to their nocturnal and secretive habits. More frequent nocturnal surveys would most likely increase observations of such species.

Of the 167 bird species now recorded as occurring at the Site, five species were recorded at the Site for the first time in 1994. With a long-term monitoring program, less common species will continue to be observed and added to the species tally. Potential habitat exists at the Site for many additional species. Migratory bird species are an important group to observe when monitoring for ecological impacts. This group as a whole is very sensitive to physical disturbance as well as to chemicals, pesticides, and loss of habitat. Declines in species diversity and density of individuals are some of the first indicators of environmental stress.

In addition to raptor and waterfowl species discussed below, two passerine species found at the Site are special concern species. Baird's Sparrow and the Loggerhead Shrike are both federal C-2 candidate species.

The presence of 22 waterfowl, and 16 wading bird, and two gull species commonly observed at the Site are an indication of the good water quality and abundant food organisms available in aquatic and wetland habitats. Most of the organisms that make up the bulk of the food items used by waterfowl and wading birds are themselves indicator organisms for environmental health. If the health of the ecosystem were poor, the food organisms would be scarce, and this scarcity would be manifested in low species diversity and numbers of individuals using these habitats.

Among the waterfowl and wading birds using the Site are two special concern species. Long-billed Curlew and American White Pelican are Colorado Species of Special Concern.

Raptors, the top avian predators of the food chain, are an indicator of the ecological health of an area. Raptors must have a large, healthy population of prey species upon which to subsist. Reduced numbers of prey species are reflected in reduced numbers of raptors. With 19 species of raptors regularly visiting the Buffer Zone, it is clear that prey species are abundant. Of these 19 species, Bald Eagles and Peregrine Falcons, are protected as threatened or endangered species, and Ferruginous Hawks, Northern Goshawks, and Burrowing Owls are federal candidates for listing.

Analysis of 1994 survey data indicates that for all groups of wildlife monitored, the diversity of the habitats and the protection from disturbance that the Site affords is unique along the central Front Range. The abundance and diversity of indicator species demonstrates the excellent ecological health of Site. Even in areas designated as contaminated, wildlife species do not evidence ecological stress as manifested by poor viability, reduced numbers of surviving offspring, unusual vulnerability to disease, or lowered population levels. The wildlife population at the Site is vital, viable, and includes rare, unusual, and endangered species. This ecological health can be preserved only by careful management of these wildlife resources, and by limiting the disturbance of wildlife and their habitats to the minimum necessary. Installation of more utilities, additional roads, new buildings, recreational facilities, and other human presence and influences into the Buffer Zone must be carefully weighed against habitat fragmentation, habitat loss, wildlife stress, and natural resource damages.

Plans for future recreational uses of the Buffer Zone must incorporate well balanced habitat and wildlife protection strategies. Human intrusion, even in the form of non-consumptive recreational uses, can greatly disrupt sensitive habitats and the wildlife species dependent on those habitats. The species most sensitive to disturbance include the neotropical migratory birds (a species group of great concern) that inhabit the tall upland shrublands, bottomland shrublands, and deciduous woodlands of the Site. Mule Deer, which also depend on these habitats for fawning and escape cover, are also quite sensitive to human intrusion into their habitat. The wetlands surrounding the unique seep-springs features at the Site also require careful protection and management to ensure the habitats are not degraded by excessive human pressure. Unrestricted recreational use of the Buffer Zone can rapidly degrade the excellent ecological value that has been recovered and enhanced through two decades of protection.

5.0 REFERENCES

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APPENDIX A

Significant Species Database

Raw Data Table

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI- VTY 1	ACTI- VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS	
02/01/94	1500	A	LOGGERHEAD SHRIKE	LALU1	DZ	RW01A			7	L	1		2	DECIDUOUS WOODLAND	110			2	10	SE				1				1	
04/29/94	1410	A	LOGGERHEAD SHRIKE	LALU1	DZ	RA02A			6	I	1		2	TALL UPLAND SHRUBLAND	230			2	5	NE	B			1				1	
04/29/94	1330	A	LOGGERHEAD SHRIKE	LALU1	DZ	RW03B	OU5		7	I	1		2	DECIDUOUS WOODLAND	110			3	5	N	B			1				1	
06/13/94	1520	A	LOGGERHEAD SHRIKE	LALU1	DZ				11	E	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322							1				1	
06/21/94	1130	A	LOGGERHEAD SHRIKE	LALU1	DZ				11	E	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322							1				1	
07/20/94	1050	A	LOGGERHEAD SHRIKE	LALU1	DZ	RW POND	OU11		8	F	0		2	ROADSIDE/FENCEROW	540	MESIC MIXED GRASSLAND	322							1				1	
08/15/94	735	A	LOGGERHEAD SHRIKE	LALU1	DZ	RG01A			7	F	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	21	3	W				1				1	
08/19/94	840	A	LOGGERHEAD SHRIKE	LALU1	DZ	BW01R			17	K	5		2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	20	3	NE	B			1				1	
11/28/94	1206	A	LOGGERHEAD SHRIKE	LALU1	DZ				11	E	0		2	PONDEROSA WOODLAND	120									1				1	
11/15/94	745	B	ELK	CEEL1	DZ	BS01B			14	F	0	1	2	TALL UPLAND SHRUBLAND	230			-6	5	NW	0			3		2	1		
01/14/94	1420	B	MULE DEER	ODHE1	DZ				13	F	1	5	2	TALL UPLAND SHRUBLAND	230			7	30	W				30	3	20	7		
01/14/94	1435	B	MULE DEER	ODHE1	DZ				16	L	0	5	2	MESIC MIXED GRASSLAND	322	SHORT UPLAND SHRUBLAND	220	7	30	W				8	4	3	1		
01/14/94	1536	B	MULE DEER	ODHE1	DZ				16	Q	5		2	MESIC MIXED GRASSLAND	322			7	30	W				3	3				
01/14/94	1550	B	MULE DEER	ODHE1	DZ				2	K	1		2	MESIC MIXED GRASSLAND	322			7	30	W				4	4				
01/25/94	1220	B	MULE DEER	ODHE1	DZ				10	D	0		2	MESIC MIXED GRASSLAND	322			10	10	E	B			26				26	
01/25/94	825	B	MULE DEER	ODHE1	DZ	BX01L			10	G	0		2	MESIC MIXED GRASSLAND	322	PONDEROSA WOODLAND	120	6	0		2			14	1	13			
01/25/94	1538	B	MULE DEER	ODHE1	DZ				15	S	5		2	MESIC MIXED GRASSLAND	322			14	5	NW	5			6	6				
01/25/94	1500	B	MULE DEER	ODHE1	DZ	RG02B			15	P	1	0	2	MESIC MIXED GRASSLAND	322			14	5	NW	6			9	2	5	2		
02/01/94	1529	B	MULE DEER	ODHE1	DZ	RW01A			7	K	1		2	MESIC MIXED GRASSLAND	322			2	10	SE				17	5	7	5		
02/01/94	1511	B	MULE DEER	ODHE1	DZ	RA02B	OU6		11	P	0		2	MESIC MIXED GRASSLAND	322			1	15	NE				9	8	1			
02/01/94	1445	B	MULE DEER	ODHE1	DZ	RA02B	OU7		12	M	5		2	MESIC MIXED GRASSLAND	322			1	15	NE				16		11	5		
02/02/94	815	B	MULE DEER	ODHE1	DZ	BS01B			14	F	5		2	TALL UPLAND SHRUBLAND	230			-2	20	NE	0			24	2	15	7		
02/02/94	920	B	MULE DEER	ODHE1	DZ	BS02B			14	I	0		2	TALL UPLAND SHRUBLAND	230			-2	30	NW	0			1		1			
02/02/94	815	B	MULE DEER	ODHE1	DZ	BS01B			15	G	5		2	MESIC MIXED GRASSLAND	322			-2	20	NE	0			10		10			
02/04/94	1020	B	MULE DEER	ODHE1	DZ				6	Q	5	0	2	MESIC MIXED GRASSLAND	322			1	5	SE	0			14	2	0	3		
02/04/94	915	B	MULE DEER	ODHE1	DZ	TR04			14	S	11		2	MESIC MIXED GRASSLAND	322			0	5	SE	0			2	2				
02/04/94	915	B	MULE DEER	ODHE1	DZ	TR04			14	S	5	0	2	MESIC MIXED GRASSLAND	322			0	5	SE	0			15	8	6	1		
02/18/94	1535	B	MULE DEER	ODHE1	DZ		OU2		10	O	0		2	MESIC MIXED GRASSLAND	322			7	15	NW	4			9	2	6	1		
02/18/94	1537	B	MULE DEER	ODHE1	DZ		OU2		10	O	0		2	MESIC MIXED GRASSLAND	322			7	15	NW	4			14		10	4		
02/22/94	1430	B	MULE DEER	ODHE1	DZ	RS01B			15	G	5		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	-1	5	E	B			6		3	3		
02/22/94	1465	B	MULE DEER	ODHE1	DZ				14	O	0		2	MESIC MIXED GRASSLAND	322									4	4				
02/22/94	1600	B	MULE DEER	ODHE1	DZ				13	P	0		2	MESIC MIXED GRASSLAND	322			-1	5	NW	B	5	5	18	1			17	
02/22/94	1500	B	MULE DEER	ODHE1	DZ				10	P	0		2	MESIC MIXED GRASSLAND	322			-1	5	NW	B	5	5	21	2	15	4		
02/22/94	1500	B	MULE DEER	ODHE1	DZ				11	N	0	5	2	MESIC MIXED GRASSLAND	322			-1	5	NW	B	5	5	14		8	6		
02/22/94	1507	B	MULE DEER	ODHE1	DZ				9	N	5		2	MESIC MIXED GRASSLAND	322			-1	5	NW	B	5	5	6	4		4		
02/24/94	750	B	MULE DEER	ODHE1	DZ	BS02B			14	J	1	5	2	XERIC MIXED GRASSLAND	323			4	35	W	1			17		10	7		
02/28/94	1027	B	MULE DEER	ODHE1	DZ	RW02B			4	O	5		2	MESIC MIXED GRASSLAND	322			8	5	W	7			20	3			1	
02/28/94	1503	B	MULE DEER	ODHE1	DZ	RW01A			7	O	5	0	2	MESIC MIXED GRASSLAND	322			0	15	NW	B			20	3	12	5		
02/28/94	1515	B	MULE DEER	ODHE1	DZ	RW01A			7	K	5		2	MESIC MIXED GRASSLAND	322			0	15	NW	B			13	1	8	4		
02/28/94		B	MULE DEER	ODHE1	DZ	OX01D			10	Q	5		2	MESIC MIXED GRASSLAND	322			6	0	0	7			9	1	8			
02/28/94	910	B	MULE DEER	ODHE1	DZ		OU11		9	E	1		2	MESIC MIXED GRASSLAND	322			3	2	NW	6			13				1	
03/04/94	755	B	MULE DEER	ODHE1	DZ				6	O	5		2	MESIC MIXED GRASSLAND	322			0						0	54	2	13	7	3
03/04/94	648	B	MULE DEER	ODHE1	DZ				11	F	5	1	2	MESIC MIXED GRASSLAND	322			10						0	4		4		
03/04/94	645	B	MULE DEER	ODHE1	DZ		OU11		9	F	5	12	2	MESIC MIXED GRASSLAND	322			10						0	16		10	6	
03/04/94	740	B	MULE DEER	ODHE1	DZ				8	Q	5		2	MESIC MIXED GRASSLAND	322			10						0	21	2	12	5	
03/04/94	651	B	MULE DEER	ODHE1	DZ				13	F	0	0	2	MESIC MIXED GRASSLAND	322			10						9	1	1			
03/04/94	734	B	MULE DEER	ODHE1	DZ				14	T	5	0	2	MESIC MIXED GRASSLAND	322			10						0	13	1		1	

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP	UNIT	ROADNAME	RF	RF	ACTI-	ACTI-	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.	
		GRP		CODE	AREA	NAME				GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS	
03/04/94	703	D	MULE DEER	ODHE1	BZ					16	M	0		2	MESIC MIXED GRASSLAND	322			10			0		0	16		13	3		
03/04/94	659	B	MULE DEER	ODHE1	BZ					17	K	5	1	2	MESIC MIXED GRASSLAND	322			10			0		0	17		11	6		
03/16/94	1452	B	MULE DEER	ODHE1	BZ		OU11			9	E	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	21	5	SE	5		10		8	2			
03/18/94	1450	B	MULE DEER	ODHE1	BZ					2	K	5	0	2	MESIC MIXED GRASSLAND	322									20				20	
03/18/94	1459	B	MULE DEER	ODHE1	BZ					5	M	1		2	MESIC MIXED GRASSLAND	322									4					
03/18/94	1510	B	MULE DEER	ODHE1	BZ					6	I	0		2	SHORT MARSH	20									13		10	3		
03/18/94	1525	B	MULE DEER	ODHE1	BZ					13	G	5		2	MESIC MIXED GRASSLAND	322									1					
03/18/94	1538	B	MULE DEER	ODHE1	BZ		OU6&7			13	L	5		2	MESIC MIXED GRASSLAND	322									6					
03/18/94	1534	B	MULE DEER	ODHE1	BZ					15	I	5		2	MESIC MIXED GRASSLAND	322									8		6	2		
03/18/94	1240	B	MULE DEER	ODHE1	BZ					16	I	5	0	2	MESIC MIXED GRASSLAND	322									37					3
03/18/94	1542	B	MULE DEER	ODHE1	BZ					15	N	5		2	XERIC MIXED GRASSLAND	323									24	4	13	7		
03/18/94	1541	B	MULE DEER	ODHE1	BZ					15	N	5		2	MESIC MIXED GRASSLAND	322									16		13	3		
03/21/94	1529	B	MULE DEER	ODHE1	BZ	RA02A	OUS			7	I	5		2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20	18	25	W			14	1		3	1		
03/22/94	821	B	MULE DEER	ODHE1	BZ	RA01B				5	J	5		2	MESIC MIXED GRASSLAND	322				17	10	SW	1		10	2				
03/22/04	715	B	MULE DEER	ODHE1	BZ	0X01L				12	G	5	1	2	MESIC MIXED GRASSLAND	322				16	10	SW	1		3					
03/24/94	1158	B	MULE DEER	ODHE1	BZ					15	P	0		2	MESIC MIXED GRASSLAND	322				8	5	NE	7		10					
03/24/94	1146	B	MULE DEER	ODHE1	BZ	RG02B				15	M	5		2	MESIC MIXED GRASSLAND	322				7	5	NW	6		2	2				
03/24/94	935	B	MULE DEER	ODHE1	BZ					15	O	0		2	MESIC MIXED GRASSLAND	322									11	3	6	1		
03/25/94	800	B	MULE DEER	ODHE1	BZ	BW01R				7	K	5	1	2	MESIC MIXED GRASSLAND	322				5	5	E	1		15					
03/25/94	730	B	MULE DEER	ODHE1	BZ					12	L	5		2	MESIC MIXED GRASSLAND	322									6					
03/25/94	731	B	MULE DEER	ODHE1	BZ					13	L	5		2	XERIC MIXED GRASSLAND	323									15					
03/25/94	794	B	MULE DEER	ODHE1	BZ					15	N	1		2	MESIC MIXED GRASSLAND	322									1	1				
03/25/94	735	B	MULE DEER	ODHE1	BZ	TR04				16	P	1		2	MESIC MIXED GRASSLAND	322									8	1				
03/25/94	1050	B	MULE DEER	ODHE1	BZ	BW01R				17	L	1	5	2	MESIC MIXED GRASSLAND	322									16		11	5		
04/04/94	850	B	MULE DEER	ODHE1	BZ	BW01B				14	R	0		2	MESIC MIXED GRASSLAND	322				14	35	W	1		8					
04/13/94	730	B	MULE DEER	ODHE1	BZ	BW01R				7	L	1		2	XERIC MIXED GRASSLAND	323				12	20	W	0		2	1	1			
04/18/94	700	B	MULE DEER	ODHE1	BZ	BS02B				14	G	0		2	TALL UPLAND SHRUBLAND	230				17	10	NW	1		3		2	1		
04/18/94	730	B	MULE DEER	ODHE1	BZ	BS02B				14	F	5		2	MESIC MIXED GRASSLAND	322				17	10	NW	1		3		2	1		
04/25/94	740	B	MULE DEER	ODHE1	BZ	BS01B				14	F	13	5	2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	10	10	E	8		19	3	10	6			
04/28/94	700	B	MULE DEER	ODHE1	BZ		OU6&7			12	J	1		2	MESIC MIXED GRASSLAND	322				0	10	SE	8	5	15					
04/29/94	1356	B	MULE DEER	ODHE1	BZ	RA01B				12	F	0		2	SHORT MARSH	20				2	10	NW	8		8					
04/29/94	1403	B	MULE DEER	ODHE1	BZ	RA01B				12	F	1		2	MESIC MIXED GRASSLAND	322				2	10	NW	8		8					
04/29/94	1437	B	MULE DEER	ODHE1	BZ	RA01B				13	G	0		2	DISTURBED/ROADCUT	420				2	10	NW	8		5					
05/02/94	1255	B	MULE DEER	ODHE1	BZ	RW02D				4	N	1		2	BOTTOMLAND SHRUBLAND	210				13	5	E	8		35	4				
05/03/94	700	B	MULE DEER	ODHE1	BZ	TR-06				10	R	1	5	2	XERIC MIXED GRASSLAND	323									14	4	6	4		
05/03/94	1231	B	MULE DEER	ODHE1	BZ	RA02A	OU6			11	P	1		2	TALL UPLAND SHRUBLAND	230				12	5	NW	8		5	5				
05/04/94	735	B	MULE DEER	ODHE1	BZ	BG02A				8	H	1	5	2	MESIC MIXED GRASSLAND	322				15	3	E	0		16					
05/04/94	1430	B	MULE DEER	ODHE1	BZ					14	P	5	0	2	MESIC MIXED GRASSLAND	322									13	2	7	4		
05/16/94	840	B	MULE DEER	ODHE1	BZ					12	S	1		2	MESIC MIXED GRASSLAND	322									8					
05/16/94	840	B	MULE DEER	ODHE1	BZ	BS01B				14	G	0	5	2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	18	10	SE			19	2	10	7			
05/16/94	830	B	MULE DEER	ODHE1	BZ	BS01B				14	H	1		2	TALL UPLAND SHRUBLAND	230				18	10	SE			1	1				
05/18/94	750	B	MULE DEER	ODHE1	BZ	BW01R				16	J	1		2	MESIC MIXED GRASSLAND	322				18	3	SE			11		6	5		
05/18/94	1457	B	MULE DEER	ODHE1	BZ	RW02B				5	O	0		2	BOTTOMLAND SHRUBLAND	210				26	5	SE	5		1		1			
05/18/94	650	B	MULE DEER	ODHE1	BZ					11	E	1		2	MESIC MIXED GRASSLAND	322				16	5	W	8		5					
05/18/94	738	B	MULE DEER	ODHE1	BZ	POND A-3	OU6			12	P	1	5	2	MESIC MIXED GRASSLAND	322				16	5	W	8		3					
05/20/94	838	B	MULE DEER	ODHE1	BZ					4	K	1		2	MESIC MIXED GRASSLAND	322									11	5	5	1		
05/20/94	840	B	MULE DEER	ODHE1	BZ					4	L	0		2	DECIDUOUS WOODLAND	110									12	8	3	1		

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP UNIT	ROADNAME	RF	RF	ACTI	ACTI	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO	NO.	
		GRP		CODE	AREA	NAME			GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2	SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS		
05/20/94	851	B	MULE DEER	ODHE1	BZ				6		1		2	TREE PLANTINGS	130	MESIC MIXED GRASSLAND	322							8			7	1	
05/20/94	934	B	MULE DEER	ODHE1	BZ		OU6&7		12	K	1		2	MESIC MIXED GRASSLAND	322									5	2	3			
05/20/94	948	B	MULE DEER	ODHE1	BZ	POND A-3	OU6		12	P	1		2	SHORT MARSH	20									2		2			
05/20/94	948	B	MULE DEER	ODHE1	BZ	POND A-3	OU6		12	P	1		2	MESIC MIXED GRASSLAND	322									3		3			
05/20/94	948	B	MULE DEER	ODHE1	BZ	POND A-3	OU6		12	P	16		2	OPEN SHALLOW WATER	54									6	1	5			
05/20/94	948	B	MULE DEER	ODHE1	BZ	POND A-3	OU6		12	P	1		2	BOTTOMLAND SHRUBLAND	210									7	1	6			
05/20/94	1008	B	MULE DEER	ODHE1	BZ	POND B-5	OU6		11	Q	1		2	MESIC MIXED GRASSLAND	322									4		4			
05/20/94	1008	B	MULE DEER	ODHE1	BZ	POND B-5	OU6		11	Q	1		2	OPEN SHALLOW WATER	54									4		4			
05/20/94	909	B	MULE DEER	ODHE1	BZ				14	H	1		2	TALL UPLAND SHRUBLAND	230									10	3	6	1		
05/20/94	917	B	MULE DEER	ODHE1	BZ				14		0		2	TALL UPLAND SHRUBLAND	230									2		2			
05/23/94	1100	B	MULE DEER	ODHE1	BZ				4	L	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							7	1	6			
05/23/94	640	B	MULE DEER	ODHE1	BZ	RG01A	OU1		8	L	5	0	2	RECLAIMED MIXED GRASSLAND	324		15	0						5	3	2			
05/24/94	720	B	MULE DEER	ODHE1	BZ	RW01A			7	O	1	5	2	MESIC MIXED GRASSLAND	322		14	0		6				11		11			
05/24/94	738	B	MULE DEER	ODHE1	BZ	RW01A			7	N	1		2	DISTURBED/BARREN LANDS	420		14	0		6				1	1				
05/24/94	734	B	MULE DEER	ODHE1	BZ	RW01A			7	N	0		2	MESIC MIXED GRASSLAND	322		14	0		6				4	2	2			
05/24/94	1120	B	MULE DEER	ODHE1	BZ		OU1		8	L	0		2	MESIC MIXED GRASSLAND	322									2				2	
05/25/94	1602	B	MULE DEER	ODHE1	BZ	RA01B			13	H	1		2	TALL UPLAND SHRUBLAND	230		15	20	NE		7			4		4			
05/25/94	1447	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230		19	20	NE		7			11		11			
05/25/94	1500	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1		2	TALL UPLAND SHRUBLAND	230		19	20	NE		7			11		9	2		
05/26/94	851	B	MULE DEER	ODHE1	BZ	RG03B			3	N	0		2	MESIC MIXED GRASSLAND	322		9	10	SW		7			14	3	7	4		
05/26/94	658	B	MULE DEER	ODHE1	BZ	RS02B			15	J	0		2	TALL UPLAND SHRUBLAND	230		9	15	SW		8			1		1			
05/26/94	700	B	MULE DEER	ODHE1	BZ	RS02B			15	K	1	5	2	MESIC MIXED GRASSLAND	322		9	15	SW		8			4	1	3			
05/26/94	715	B	MULE DEER	ODHE1	BZ	RS02B			16	L	0		2	TALL UPLAND SHRUBLAND	230		9	15	SW		8			1		1			
05/26/94	846	B	MULE DEER	ODHE1	BZ	RW01B			15	Q	1		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	9	10	S		8			4	4			
05/26/94	736	B	MULE DEER	ODHE1	BZ	RS02B			16	M	0		2	TALL UPLAND SHRUBLAND	230		9	15	SW		8			4	4				
06/01/94	1506	B	MULE DEER	ODHE1	BZ				4	I	0		2	DECIDUOUS WOODLAND	110									10	1	9			
06/01/94	1500	B	MULE DEER	ODHE1	BZ				5	P	0		2	DECIDUOUS WOODLAND	110									2	2				
06/01/94	1500	B	MULE DEER	ODHE1	BZ				5	Q	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1		1			
06/01/94	1355	B	MULE DEER	ODHE1	BZ				5	Q	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1	1				
06/01/94	1602	B	MULE DEER	ODHE1	BZ				10	G	0		2	MESIC MIXED GRASSLAND	322									2		2			
06/01/94	1521	B	MULE DEER	ODHE1	BZ				11	F	0		2	MESIC MIXED GRASSLAND	322									2		2			
06/01/94	1525	B	MULE DEER	ODHE1	BZ				13	F	5		2	TALL UPLAND SHRUBLAND	230									1				1	
06/01/94	1650	B	MULE DEER	ODHE1	BZ				16	L	0		2	TALL UPLAND SHRUBLAND	230									1	1				
06/07/94	630	B	MULE DEER	ODHE1	BZ				14	F	1		2	TALL UPLAND SHRUBLAND	230									3				2	
06/07/94	800	B	MULE DEER	ODHE1	BZ	BW01B			13	T	0		2	BOTTOMLAND SHRUBLAND	210		25	10	NW		1			1		1			
06/07/94	730	B	MULE DEER	ODHE1	BZ	BG01R			15	M	5		2	MESIC MIXED GRASSLAND	322		25	10	NW		1			1		1			
06/08/94	820	B	MULE DEER	ODHE1	BZ	BG01B			4	G	1		2	MESIC MIXED GRASSLAND	322		19	5	SE		0			1		1			
06/09/94	630	B	MULE DEER	ODHE1	BZ	BD03B			2	R	1		2	MESIC MIXED GRASSLAND	322		10	5	SE		7			1		1			
06/10/94	840	B	MULE DEER	ODHE1	BZ	RA03B			6	I	1		2	MESIC MIXED GRASSLAND	322		22	5	SE					4	2	2			
06/10/94	1045	B	MULE DEER	ODHE1	BZ	RW01A			7	O	1		2	DECIDUOUS WOODLAND	110		22	5	SE					1		1			
06/10/94	1028	B	MULE DEER	ODHE1	BZ	RW01A			7	O	1		2	DECIDUOUS WOODLAND	110		22	5	SE					5	5				
06/10/94	940	B	MULE DEER	ODHE1	BZ	RW01A			7	K	1		2	DECIDUOUS WOODLAND	110		22	5	SE					1		1			
06/10/94	800	B	MULE DEER	ODHE1	BZ	RG01A	OU1		8	M	1		2	RECLAIMED MIXED GRASSLAND	324		15	5	S					1		1			
06/13/94	1604	B	MULE DEER	ODHE1	BZ				5	I	1		2	WET MEADOW	10									2	1	1			
06/13/94	1420	B	MULE DEER	ODHE1	BZ				5	Q	1		2	MESIC MIXED GRASSLAND	322									1		1			
06/13/94	1513	B	MULE DEER	ODHE1	BZ				6	I	1		2	SHORT MARSH	20									1		1			
06/13/94	1504	B	MULE DEER	ODHE1	BZ				7	K	1		2	WET MEADOW	10									2		1		1	

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS	
06/13/94	1513	B	MULE DEER	ODHE1	BZ		OU5		7	G	1		2	MESIC MIXED GRASSLAND	322			37	5	NE	2			1		1			
06/13/94	920	B	MULE DEER	ODHE1	BZ	BA01R			11	F	0		2	PONDEROSA WOODLAND	120										2		2		
06/13/94	1520	B	MULE DEER	ODHE1	BZ				11	E	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322								1	1			
06/13/94	1320	B	MULE DEER	ODHE1	BZ				13	H	0		2	TALL MARSH	30										1		1		
06/13/94	710	B	MULE DEER	ODHE1	BZ	BS01B			14	G	0		2	TALL UPLAND SHRUBLAND	230			24	5	NE	0			1		1			
06/13/94	800	B	MULE DEER	ODHE1	BZ	BS01B			14	F	0		2	TALL UPLAND SHRUBLAND	230			24	5	NE	0			1		1			
06/13/94	710	B	MULE DEER	ODHE1	BZ	BS01B			14	G	0		2	TALL UPLAND SHRUBLAND	230			24	5	NE	0			1		1			
06/13/94	810	B	MULE DEER	ODHE1	BZ				14	G	0		2	SHORT UPLAND SHRUBLAND	220									5	2	3			
06/13/94	650	B	MULE DEER	ODHE1	BZ				14	H	1		2	TALL UPLAND SHRUBLAND	230									9	4	5			
06/13/94	650	B	MULE DEER	ODHE1	BZ				14	H	1		2	ROAD	540									3		3			
06/14/94	620	B	MULE DEER	ODHE1	BZ	POND B-1	OU6		10	O	1		2	MESIC MIXED GRASSLAND	322									1		1			
06/14/94	1030	B	MULE DEER	ODHE1	BZ	RW01B			13	S	1		2	DECIDUOUS WOODLAND	110			28	19	W	6			1		1			
06/15/94	734	B	MULE DEER	ODHE1	BZ				7	K	12		2	MESIC MIXED GRASSLAND	322			20	2	W	0			2		1	1		
06/16/94	1529	B	MULE DEER	ODHE1	BZ	RG03B			2	M	1		2	MESIC MIXED GRASSLAND	322			23	5	S	1			1	1				
06/16/94	1528	B	MULE DEER	ODHE1	BZ	RG03B			2	M	1		2	MESIC MIXED GRASSLAND	322			23	5	S	1			2	2				
06/16/94	1539	B	MULE DEER	ODHE1	BZ	RG03B			3	N	1		2	WET MEADOW	10			23	5	S	1			1		1			
06/16/94	1539	B	MULE DEER	ODHE1	BZ	RG03B			3	N	1		2	DECIDUOUS WOODLAND	110			21	5	SW	2			1				1	
06/16/94	1331	B	MULE DEER	ODHE1	BZ	RW02B			4	N	1		2	BOTTOMLAND SHRUBLAND	210			21	5	SW	2			2		2			
06/16/94	1358	B	MULE DEER	ODHE1	BZ	RW02B			4	L	1		2	BOTTOMLAND SHRUBLAND	210			21	5	SW	2			1		1			
06/16/94	1541	B	MULE DEER	ODHE1	BZ	RG03B			3	N	1		2	MESIC MIXED GRASSLAND	322			23	5	S	1			1		1			
06/16/94	1415	B	MULE DEER	ODHE1	BZ	RW02B			4	L	1		2	BOTTOMLAND SHRUBLAND	210			21	5	SW	2			1		1		1	
06/16/94	1349	B	MULE DEER	ODHE1	BZ	RW02B			4	L	1		2	DECIDUOUS WOODLAND	110			21	5	SW	2			6	2	3	1		
06/16/94	1323	B	MULE DEER	ODHE1	BZ	RW02B			5	O	1		2	DECIDUOUS WOODLAND	110			21	5	SW	2			1		1		1	
06/16/94	1404	B	MULE DEER	ODHE1	BZ	RW02B			4	L	1		2	BOTTOMLAND SHRUBLAND	210			21	5	SW	2			1		1			
06/16/94	1314	B	MULE DEER	ODHE1	BZ	RW02B			5	P	1		2	DECIDUOUS WOODLAND	110			21	5	SW	2			1		1			
06/16/94	1547	B	MULE DEER	ODHE1	BZ	RG03B			5	P	1		2	MESIC MIXED GRASSLAND	322			23	5	S	1			1		1			
06/20/94		B	MULE DEER	ODHE1	BZ	BS03B			5	S	0		2	BOTTOMLAND SHRUBLAND	210			27	5	NE	6			1		1			
06/20/94		B	MULE DEER	ODHE1	BZ	BS03B			5	R	0		2	DECIDUOUS WOODLAND	110			27	5	NE	6			1		1			
06/20/94		B	MULE DEER	ODHE1	BZ	BS03B			5	R	0		2	DECIDUOUS WOODLAND	110			27	5	NE	6			1		1			
06/20/94	1230	B	MULE DEER	ODHE1	BZ	POND B-5	OU6		11	Q	1	5	2	MESIC MIXED GRASSLAND	322									6	5				
06/20/94	1040	B	MULE DEER	ODHE1	BZ	RS02B			15	K	0		2	TALL UPLAND SHRUBLAND	230			27	10	N	3			2	2				
06/20/94	1040	B	MULE DEER	ODHE1	BZ	RS02B			15	K	0		2	TALL UPLAND SHRUBLAND	230			27	10	N	3			1		1			
06/20/94	1123	B	MULE DEER	ODHE1	BZ	RS02B			16	L	1		2	TALL UPLAND SHRUBLAND	230			27	10	NE	3			1		1			
06/20/94	1281	B	MULE DEER	ODHE1	BZ	RG02B			16	O	0		2	MESIC MIXED GRASSLAND	322			27	10	NE	3			1		1			
06/21/94	1030	B	MULE DEER	ODHE1	BZ	RS01B			14	F	0		2	BOTTOMLAND SHRUBLAND	210			23	5	W	2			1		1			
06/21/94	900	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			23	5	W	2			4		2	1		
06/21/94	948	B	MULE DEER	ODHE1	BZ	RS01B			14	G	0		2	MESIC MIXED GRASSLAND	322			23	5	W	2			3		3			
06/21/94	958	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1		2	DECIDUOUS WOODLAND	110			23	5	W	2			3		3			
06/21/94	958	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1		2	BOTTOMLAND SHRUBLAND	210			23	5	W	2			1		1			
06/22/94	1030	B	MULE DEER	ODHE1	BZ	POND A-4	OU6		12	P	0		2	MESIC MIXED GRASSLAND	322									1		1			
06/22/94	959	B	MULE DEER	ODHE1	BZ	POND A-4	OU6		12	P	0		2	MESIC MIXED GRASSLAND	322									1		1			
06/22/94	635	B	MULE DEER	ODHE1	BZ	POND A-2	OU6		12	O	1		2	MESIC MIXED GRASSLAND	322			22	3	SW	4			2	2				
06/22/94	710	B	MULE DEER	ODHE1	BZ	BG01R			15	O	5		2	MESIC MIXED GRASSLAND	322									3		1	2		
06/23/94	950	B	MULE DEER	ODHE1	BZ				5	I	1		2	SHORT MARSH	20			18	0		0			3	2	1			
06/23/94	700	B	MULE DEER	ODHE1	BZ	BA01B			5	I	0		2	MESIC MIXED GRASSLAND	322									1		1			
06/23/94	640	B	MULE DEER	ODHE1	BZ				5	I	1		2	MESIC MIXED GRASSLAND	322									2		1	1		
06/23/94	835	B	MULE DEER	ODHE1	BZ	S10			7	L	1		2	MESIC MIXED GRASSLAND	322									4	2	2			
06/23/94	747	B	MULE DEER	ODHE1	BZ				7	L	1		2	MESIC MIXED GRASSLAND	322									3	3				
06/23/94	630	B	MULE DEER	ODHE1	BZ	881 HILL	OU1		8	M	1		2	MESIC MIXED GRASSLAND	322									7		7			
06/23/94	915	B	MULE DEER	ODHE1	BZ				11	E	1		2	WET MEADOW	10									7		7			
06/23/94	915	B	MULE DEER	ODHE1	BZ				11	F	1		2	MESIC MIXED GRASSLAND	322									3		1	2		

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HADITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS
07/18/94	620	B	MULE DEER	ODHE1	DZ	DX01A	OU1		8	L	1			2 XERIC MIXED GRASSLAND	323										3		1	2
07/19/94	610	B	MULE DEER	ODHE1	DZ				7	K	1			2 MESIC MIXED GRASSLAND	322										1		1	
07/19/94	740	B	MULE DEER	ODHE1	BZ	BS01B			13	F	1			2 TALL UPLAND SHRUBLAND	230			27	20	NW	2				2			2
07/19/94	730	B	MULE DEER	ODHE1	BZ	BS01B			13	F	0			2 TALL UPLAND SHRUBLAND	230			27	20	NW	2				1		1	
07/19/94	800	B	MULE DEER	ODHE1	BZ	BS01B			13	F	0			2 TALL UPLAND SHRUBLAND	230			27	20	NW	2				1			1
07/19/94	715	B	MULE DEER	ODHE1	DZ	BS01B			14	G	5			2 TALL UPLAND SHRUBLAND	230			27	20	NW	2				3	1	2	
07/19/94	715	B	MULE DEER	ODHE1	DZ	BS01B			14	H	5			2 TALL UPLAND SHRUBLAND	230			27	20	NW	2				2		2	
07/20/94	1200	B	MULE DEER	ODHE1	DZ				5	J	1			2 SHORT MARSH	20										8	5	3	
07/20/94	718	B	MULE DEER	ODHE1	DZ	BG02A	OU5		7	J	1			2 MESIC MIXED GRASSLAND	322			13	5	NW	8				6		2	4
07/20/94	1205	B	MULE DEER	ODHE1	DZ				7	K	1			2 MESIC MIXED GRASSLAND	322										1		1	
07/20/94	718	B	MULE DEER	ODHE1	BZ	BG02A			7	K	5			2 MESIC MIXED GRASSLAND	322			13	5	NW	8	3			6		2	4
07/20/94	700	B	MULE DEER	ODHE1	BZ	BG02A	OU1		7	M	1			2 MESIC MIXED GRASSLAND	322			13	5	NW	8	3			2		1	1
07/20/94	700	B	MULE DEER	ODHE1	BZ	BG02A			7	M	1			2 MESIC MIXED GRASSLAND	322			13	5	NW	8				2		1	1
07/20/94	1210	B	MULE DEER	ODHE1	BZ				12	F	0			2 MESIC MIXED GRASSLAND	322										4	4	4	
07/20/94	1215	B	MULE DEER	ODHE1	DZ				14	F	1			2 MESIC MIXED GRASSLAND	322										15	3	7	5
07/20/94	1210	B	MULE DEER	ODHE1	BZ				13	H	1			2 MESIC MIXED GRASSLAND	322										1		1	
07/20/94	1215	B	MULE DEER	ODHE1	DZ				14	G	1			2 MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230								4	2	2	
07/25/94	645	B	MULE DEER	ODHE1	DZ	TR-10			4	L	1			2 MESIC MIXED GRASSLAND	322										3	3		
07/25/94	708	B	MULE DEER	ODHE1	BZ	RS03B			5	S	0			2 BOTTOMLAND SHRUBLAND	210			22	0		8				1		1	
07/25/94	730	B	MULE DEER	ODHE1	BZ	RS03B			5	Q	1			2 WET MEADOW	10			22	0		8				1		1	
07/26/94	1509	B	MULE DEER	ODHE1	BZ	RW01B			13	T	1			2 DECIDUOUS WOODLAND	110			25	5	E	4				2			2
07/26/94	630	B	MULE DEER	ODHE1	BZ				14	G	5			2 MESIC MIXED GRASSLAND	322										1		1	
07/26/94	630	B	MULE DEER	ODHE1	BZ				15	G	7	5		2 MESIC MIXED GRASSLAND	322										3		1	2
07/26/94	1430	B	MULE DEER	ODHE1	BZ	RW01D			14	Q	1			2 DECIDUOUS WOODLAND	110			25	5	E	4				5	5		
07/26/94	1430	B	MULE DEER	ODHE1	BZ	RG02B			15	O	0			2 MESIC MIXED GRASSLAND	322			26	15	NE	5				1		1	
07/26/94	630	B	MULE DEER	ODHE1	BZ				16	L	5			2 MESIC MIXED GRASSLAND	322										3	3		
07/26/94	1430	B	MULE DEER	ODHE1	BZ	RG02B			15	Q	1			2 MESIC MIXED GRASSLAND	322			26	15	NE	5				7	7		
07/26/94	1335	B	MULE DEER	ODHE1	BZ	RS02B			16	L	0			2 TALL UPLAND SHRUBLAND	230			26	15	NE	6				4	4		
07/26/94	1417	B	MULE DEER	ODHE1	BZ	RS02B			19	M	0			2 TALL UPLAND SHRUBLAND	230			26	15	NE	6				1			
07/26/94	1430	B	MULE DEER	ODHE1	BZ	RG02B			15	O	1			2 MESIC MIXED GRASSLAND	322			26	15	NE	5				2	2		
07/26/94	1340	B	MULE DEER	ODHE1	BZ	RS02B			16	L	0			2 TALL UPLAND SHRUBLAND	230			26	15	NE	6				6	6		
07/27/94	1029	B	MULE DEER	ODHE1	BZ	RA03B			5	I	1			2 SHORT MARSH	20			26	5	NE	1				1	1		
07/27/94	1210	B	MULE DEER	ODHE1	BZ	RA02A			6	I	1			2 TALL MARSH	30			26	10	NE	1				2	1	1	
07/27/94	1630	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1			2 TALL UPLAND SHRUBLAND	230			25	5	NE	7				4		2	2
07/27/94	1555	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1	5		2 TALL UPLAND SHRUBLAND	230			25	5	NE	7				4		4	
07/27/94	1610	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1			2 TALL UPLAND SHRUBLAND	230			25	5	NE	7				2	2		
07/27/94	1555	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1			2 TALL UPLAND SHRUBLAND	230			25	5	NE	7				4	1	1	2
07/27/94	1617	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1			2 TALL UPLAND SHRUBLAND	230			25	5	NE	7				1		1	
07/28/94	1610	B	MULE DEER	ODHE1	BZ	RW02D			4	L	0			2 BOTTOMLAND SHRUBLAND	210			25	3	NE	8				4		3	1
07/28/94	1005	B	MULE DEER	ODHE1	BZ	RW02D			4	N	0			2 BOTTOMLAND SHRUBLAND	210			25	3	NE	8				3	3		
07/28/94	1551	B	MULE DEER	ODHE1	BZ	RW02D			5	P	0			2 DECIDUOUS WOODLAND	110			25	3	NE	8				2	2		
07/28/94	703	B	MULE DEER	ODHE1	BZ	RW01A			7	O	1			2 MESIC MIXED GRASSLAND	322			16	0		7				2		2	
07/28/94	805	B	MULE DEER	ODHE1	BZ	RW03D	OU5		7	H	1			2 DECIDUOUS WOODLAND	110			17	0		7				1		1	
07/28/94	764	B	MULE DEER	ODHE1	BZ	RW03D	OU5		7	I	0			2 DECIDUOUS WOODLAND	110			17	0		7				2		2	
07/28/94	732	B	MULE DEER	ODHE1	BZ	RW03D	OU5		7	J	1	5		2 MESIC MIXED GRASSLAND	322			17	0		7				5	4	1	
07/28/94	800	B	MULE DEER	ODHE1	BZ	RW03D	OU5		7	H	1			2 DECIDUOUS WOODLAND	110			17	0		7				1		1	
07/29/94	1010	B	MULE DEER	ODHE1	BZ	RA01B			12	G	1			2 TALL MARSH	30			27	10	E	2				4		2	2

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07/29/94	956	B	MULE DEER	ODHE1	BZ	RA01B			13	H	1			2	BOTTOMLAND SHRUBLAND	210		27	10	E	2				2				
08/04/94	830	B	MULE DEER	ODHE1	BZ	BW01A			7	L	5			2	MESIC MIXED GRASSLAND	322		22	5	NE	0				1		1		
08/04/94	912	B	MULE DEER	ODHE1	BZ	BA01A			7	K	5			2	MESIC MIXED GRASSLAND	322		24	5	NE	0				3		1	2	
08/04/94	820	B	MULE DEER	ODHE1	BZ	BW01A			7	N	5			2	MESIC MIXED GRASSLAND	322		22	5	NE	0				2		2		
08/04/94	830	B	MULE DEER	ODHE1	BZ	BW01A			7	L	0			2	MESIC MIXED GRASSLAND	322		22	5	NE	0				2		2		
08/05/94	640	B	MULE DEER	ODHE1	BZ				13	G	1			2	MESIC MIXED GRASSLAND	322									4		3	1	
08/05/94	750	B	MULE DEER	ODHE1	BZ	BS01B			13	F	1			2	TALL UPLAND SHRUBLAND	230		17	3	NW	7				1		1		
08/05/94	640	B	MULE DEER	ODHE1	BZ				13	F	1			2	MESIC MIXED GRASSLAND	322									10	6	4		
08/05/94	740	B	MULE DEER	ODHE1	BZ	BS01B			14	F	0			2	TALL UPLAND SHRUBLAND	230		17	3	NW	7				1		1		
08/05/94	1120	B	MULE DEER	ODHE1	BZ				14	F	0			2	TALL UPLAND SHRUBLAND	230									1	1			
08/05/94	700	B	MULE DEER	ODHE1	BZ	BS01B			14	G	1			2	MESIC MIXED GRASSLAND	322		17	3	NW	7				1	1			
08/05/94	730	B	MULE DEER	ODHE1	BZ	BS01B			14	G	0			2	TALL UPLAND SHRUBLAND	230		17	3	NW	7				1	1	1		
08/05/94	730	B	MULE DEER	ODHE1	BZ	BS01B			14	G	1	5		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	17	3	NW	7			4	1	1	1	2
08/05/94	700	B	MULE DEER	ODHE1	BZ	BS01B			14	H	5			2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	17	3	NW	7			2		2		
08/05/94	1105	B	MULE DEER	ODHE1	BZ	BS02B			14	J	0			2	TALL UPLAND SHRUBLAND	230									3		2	1	
08/05/94	1040	B	MULE DEER	ODHE1	BZ				15	L	1			2	MESIC MIXED GRASSLAND	322									8	7	1		
08/05/94	935	B	MULE DEER	ODHE1	BZ				16	K	1			2	MESIC MIXED GRASSLAND	322									1	1			
08/09/94	2006	B	MULE DEER	ODHE1	BZ				2	U	5			4	RECLAIMED MIXED GRASSLAND	324		20	10	NW					3	3			
08/09/94	2015	B	MULE DEER	ODHE1	BZ				3	S	5			4	RECLAIMED MIXED GRASSLAND	324		20	10	NW					3		3		
08/09/94	2000	B	MULE DEER	ODHE1	BZ				5	S	5			4	MESIC MIXED GRASSLAND	322		20	10	NW					5		4	1	
08/09/94	2100	B	MULE DEER	ODHE1	BZ				5	P	5			4	MESIC MIXED GRASSLAND	322		20	10	NW					1		1		
08/09/94	2103	B	MULE DEER	ODHE1	BZ				5	P	5			4	MESIC MIXED GRASSLAND	322		20	10	NW					2		1	1	
08/09/94	1955	B	MULE DEER	ODHE1	BZ				5	R	5	1		4	MESIC MIXED GRASSLAND	322		20	10	NW					3		2	1	
08/09/94	1956	B	MULE DEER	ODHE1	BZ				6	S	5			4	MESIC MIXED GRASSLAND	322		20	10	NW					5	5			
08/09/94	2136	B	MULE DEER	ODHE1	BZ				7	Q	5			4	RECLAIMED MIXED GRASSLAND	324		20	10	NW					3	3			
08/09/94	2338	B	MULE DEER	ODHE1	BZ		OU2		10	O	1	5		4	MESIC MIXED GRASSLAND	322		20	10	NW					2		1	1	
08/09/94	2157	B	MULE DEER	ODHE1	BZ				11	E	5	1		4	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	20	10	NW				4	3	1		
08/09/94	2348	B	MULE DEER	ODHE1	BZ		OU2		10	O	1	5		4	MESIC MIXED GRASSLAND	322		20	10	NW					1				
08/09/94	2200	B	MULE DEER	ODHE1	BZ				11	F	5	1		4	MESIC MIXED GRASSLAND	322		20	10	NW					4	2	2		
08/09/94	2313	B	MULE DEER	ODHE1	BZ				11	F	1	5		4	MESIC MIXED GRASSLAND	322		20	10	NW					2	2			
08/09/94	2336	B	MULE DEER	ODHE1	BZ		OU6		11	N	1			4	DISTURBED ROADSIDE	420	MESIC MIXED GRASSLAND	322	20	10	NW				1				
08/09/94	2205	B	MULE DEER	ODHE1	BZ				12	F	5	1		4	MESIC MIXED GRASSLAND	322		20	10	NW					5	3	2		
08/09/94	2318	B	MULE DEER	ODHE1	BZ				12	S	5	1		4	RECLAIMED MIXED GRASSLAND	324		20	10	NW					2	1	1		
08/09/94	2214	B	MULE DEER	ODHE1	BZ				14	F	5	1		4	MESIC MIXED GRASSLAND	322		20	10	NW					1				
08/09/94	2211	B	MULE DEER	ODHE1	BZ				14	G	5	1		4	MESIC MIXED GRASSLAND	322		20	10	NW					3	2			
08/09/94	2236	B	MULE DEER	ODHE1	BZ				14	L	1	5		4	MESIC MIXED GRASSLAND	322		20	10	NW					2	2			
08/09/94	2220	B	MULE DEER	ODHE1	BZ				15	F	1	5		4	MESIC MIXED GRASSLAND	322		20	10	NW					2		2		
08/09/94	2244	B	MULE DEER	ODHE1	BZ				17	K	5	1		4	MESIC MIXED GRASSLAND	322		20	10	NW					6	6			
08/15/94	737	B	MULE DEER	ODHE1	BZ	RG01A	OU5		7	G	1			2	MESIC MIXED GRASSLAND	322		21	3	W					1		1		
08/16/94		B	MULE DEER	ODHE1	BZ				4	H	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	BZ				4	O	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		2		2		
08/16/94		B	MULE DEER	ODHE1	BZ				4	J	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		2		1	1	
08/16/94		B	MULE DEER	ODHE1	BZ				3	O	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	BZ				6	M	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		5		4	1	
08/16/94		B	MULE DEER	ODHE1	BZ				6	Q	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		3		3		
08/16/94		B	MULE DEER	ODHE1	BZ				5	U	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		3		4	4	
08/16/94		B	MULE DEER	ODHE1	BZ		OU5		7	J	5	1		4	MESIC MIXED GRASSLAND	322		23	10	W		8	2		2		2		

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08/16/94		B	MULE DEER	ODHE1	DZ		OU5		7 P		5	1	4	RECLAIMED MIXED GRASSLAND	324			23	10 W		8	2		6	4	1	1	
08/16/94		B	MULE DEER	ODHE1	DZ				8 N		0		4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	DZ				10 T		1	5	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		2	2			
08/16/94		B	MULE DEER	ODHE1	DZ		OU2		10 P		5	1	4	RECLAIMED MIXED GRASSLAND	324			23	10 W		8	2		2		1	1	
08/16/94		B	MULE DEER	ODHE1	DZ				10 N		5	1	4	RECLAIMED MIXED GRASSLAND	324	DISTURBED ROADSIDE	420	23	10 W		8	2		3		1	2	
08/16/94		B	MULE DEER	ODHE1	DZ		OU2		10 O		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		2	2			
08/16/94		B	MULE DEER	ODHE1	DZ		OU2		10 O		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	DZ		OU2		10 O		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		7		6	1	
08/16/94	2000	B	MULE DEER	ODHE1	DZ				10 Q		1	5	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	DZ		OU2		10 O		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		3	3			
08/16/94	800	B	MULE DEER	ODHE1	DZ	BA01R			11 E		0		2	SHORT MARSH	20			27	15 NW		0			1		1		
08/16/94		B	MULE DEER	ODHE1	DZ				11 F		1		4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	DZ		OU6		11 N		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		2		2		
08/16/94		B	MULE DEER	ODHE1	DZ		OU6		11 O		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	DZ		OU6&7		12 J		5	1	4	RECLAIMED MIXED GRASSLAND	324			23	10 W		8	2		3		1	2	
08/16/94		B	MULE DEER	ODHE1	DZ				13 G		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		6		6		
08/16/94		B	MULE DEER	ODHE1	DZ				11 S		1	5	4	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	23	10 W		8	2		1	1			
08/16/94		B	MULE DEER	ODHE1	DZ				11 S		1	5	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1		1		
08/16/94		B	MULE DEER	ODHE1	DZ				14 F		5	1	4	TALL UPLAND SHRUBLAND	230			23	10 W		8	2		4	1	3		
08/16/94		B	MULE DEER	ODHE1	DZ				14 H		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		1				
08/16/94		B	MULE DEER	ODHE1	DZ		OU6&7		13 L		5	1	4	MESIC MIXED GRASSLAND	322			23	10 W		8	2		2	2			
08/16/94		B	MULE DEER	ODHE1	DZ				14 J		5	1	4	XERIC MIXED GRASSLAND	323			23	10 W		8	2		1	1			
08/16/94		B	MULE DEER	ODHE1	DZ				17 K		1		4	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	23	10 W		8	2		1				
08/17/94	2110	B	MULE DEER	ODHE1	DZ				5 I		5		3	SHORT MARSH	20			20	2 SW					1		1		
08/17/94	1805	B	MULE DEER	ODHE1	DZ				5 U		1		3	MESIC MIXED GRASSLAND	322			20	2 SW					1				
08/17/94	1930	B	MULE DEER	ODHE1	DZ				11 E		1	5	3	MESIC MIXED GRASSLAND	322			20	2 SW					4		2	2	
08/17/94	1800	B	MULE DEER	ODHE1	DZ				8 S		5	0	3	MESIC MIXED GRASSLAND	322			20	2 SW					5				
08/17/94	1945	B	MULE DEER	ODHE1	DZ				13 G		1	5	3	MESIC MIXED GRASSLAND	322			20	2 SW					9	1			
08/19/94	830	B	MULE DEER	ODHE1	DZ		OU6&7		12 J		1		2	MESIC MIXED GRASSLAND	322			20	3 NE		8			8	8			
08/23/94	918	B	MULE DEER	ODHE1	DZ				3 G		1		2	MESIC MIXED GRASSLAND	322									1	1			
08/23/94		B	MULE DEER	ODHE1	DZ	BA01B			5 I		1		2	WET MEADOW	10			20	0					2		1	1	
08/23/94		B	MULE DEER	ODHE1	DZ	BG01B			4 G		1		2	MESIC MIXED GRASSLAND	322			20	0					6	6			
08/23/94		B	MULE DEER	ODHE1	DZ	BA01B			5 I		1		2	SHORT MARSH	20	TALL MARSH	30	20	0					4	1	3		
08/23/94	715	B	MULE DEER	ODHE1	DZ				7 F		1		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110							4		4		
08/23/94	950	B	MULE DEER	ODHE1	DZ				10 D		0		2	MESIC MIXED GRASSLAND	322									4	1	3		
08/23/94	1001	B	MULE DEER	ODHE1	DZ	POND B-1	OU6		10 O		0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1		1		
08/24/94	843	B	MULE DEER	ODHE1	DZ	RA02B			10 P		0		2	TALL MARSH	30			23	0		3			3		1	2	
08/24/94	724	B	MULE DEER	ODHE1	DZ	RA02B	OU6		11 M		1		2	DECIDUOUS WOODLAND	110			23	0		3			1		1		
08/24/94	724	B	MULE DEER	ODHE1	DZ	RA02B	OU6		11 M		1	0	2	DECIDUOUS WOODLAND	110			23	0		3			4		2	2	
08/24/94	766	B	MULE DEER	ODHE1	DZ	RA02B	OU6		12 O		1	5	2	MESIC MIXED GRASSLAND	322			23	0		3			6	1	4	1	
08/24/94		B	MULE DEER	ODHE1	DZ		OU6		13 Q		1		2	MESIC MIXED GRASSLAND	322			22	0		5			4	4			
08/24/94	1420	B	MULE DEER	ODHE1	DZ	RG02B			15 N		1		2	MESIC MIXED GRASSLAND	322			30	0					8	4	3	1	
08/26/94		B	MULE DEER	ODHE1	DZ	DS02B			14 G		0		2	TALL UPLAND SHRUBLAND	230			23	0		1			1	1			
08/29/94	851	B	MULE DEER	ODHE1	DZ	RS03B			5 R		0		2	BOTTOMLAND SHRUBLAND	210			23	5 SE					3		1	2	
08/29/94	1515	B	MULE DEER	ODHE1	DZ	RW03B	OU5		7 J		0		2	BOTTOMLAND SHRUBLAND	210			26	30 W		7			1		1		
08/29/94	1526	B	MULE DEER	ODHE1	DZ	RW03B	OU5		7 I		0		2	DECIDUOUS WOODLAND	110			26	30 W		7			4		4		
08/30/94	850	B	MULE DEER	ODHE1	DZ	RG03B			2 M		1		2	MESIC MIXED GRASSLAND	322			15	5 NW					4	1	3		

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08/30/94	645	B	MULE DEER	ODHE1	BZ				4	P	1		2	MESIC MIXED GRASSLAND	322									5	5			
08/30/94	734	B	MULE DEER	ODHE1	BZ	RW02B			5	O	1		2	BOTTOMLAND SHRUBLAND	210			17	5	W				2		2		
08/31/94	800	B	MULE DEER	ODHE1	BZ	RA03B			5	I	1		2	SHORT MARSH	20			15	10	N	7			3		2	1	
08/31/94	1016	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			16	10	N	7			3	1	1	1	
08/31/94	1009	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1		2	TALL UPLAND SHRUBLAND	230			16	10	N	7			2	1	1		
08/31/94	1011	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1		2	DECIDUOUS WOODLAND	110			16	10	N	7			2		1	1	
08/31/94	951	B	MULE DEER	ODHE1	BZ	RS01B			15	G	1		2	WET MEADOW	10			16	10	N	7			4	4			
09/12/94	1016	B	MULE DEER	ODHE1	BZ	RA03B			5	I	1		2	SHORT MARSH	20			25	5	SE	3			4		2	2	
09/12/94	1019	B	MULE DEER	ODHE1	BZ	RA03B			5	I	1		2	TALL MARSH	30			25	5	SE	3			3		1	2	
09/15/94	820	B	MULE DEER	ODHE1	BZ	RW03B	OU5		7	H	1		2	DECIDUOUS WOODLAND	110			12	15	W				3	1	1	2	
09/15/94	820	B	MULE DEER	ODHE1	BZ	RW03B	OU5		7	G	1		2	BOTTOMLAND SHRUBLAND	210			12	15	W				6		4	0	2
09/19/94	948	B	MULE DEER	ODHE1	BZ	RA01B			12	F	1		2	TALL MARSH	30			17	5	W	8			1		1		
09/19/94	900	B	MULE DEER	ODHE1	BZ	RA01B			13	H	1		2	SHORT MARSH	20			17	5	W	8			4		3	1	
09/20/94	916	B	MULE DEER	ODHE1	BZ	RS01B			14	G	1		2	TALL UPLAND SHRUBLAND	230			13	5	N	8			6	5	1		
09/20/94	845	B	MULE DEER	ODHE1	BZ	RS01B			15	G	1		2	TALL UPLAND SHRUBLAND	230			13	5	N	8			1		1		
09/20/94	845	B	MULE DEER	ODHE1	BZ	RS01B			15	G	1		2	TALL UPLAND SHRUBLAND	230			13	5	N	8			3		2	1	
09/20/94	1350	B	MULE DEER	ODHE1	BZ	RG02B			15	N	1		2	XERIC MIXED GRASSLAND	323			23	5	E	3			2	2			
09/22/94	1130	B	MULE DEER	ODHE1	BZ	RW01A	OU5		7	P	1		2	DECIDUOUS WOODLAND	110			8	10	SE	1			2		1	1	
09/22/94	745	B	MULE DEER	ODHE1	BZ	BG01R			15	Q	1		2	MESIC MIXED GRASSLAND	322			2	5	W				5	2	3		
09/29/94	816	B	MULE DEER	ODHE1	BZ	RW02B			4	K	0		2	TALL MARSH	30			18	20	NW	2			1	1			
09/29/94	813	B	MULE DEER	ODHE1	BZ				4	K	1		2	MESIC MIXED GRASSLAND	322			18	20	NW	2			2	2			
09/29/94	813	B	MULE DEER	ODHE1	BZ				4	K	5		2	MESIC MIXED GRASSLAND	322			18	20	NW	2			6	1	4	1	
09/29/94	810	B	MULE DEER	ODHE1	BZ	RW02B			4	N	0		2	BOTTOMLAND SHRUBLAND	210			18	20	NW	2			1	1			
09/29/94	815	B	MULE DEER	ODHE1	BZ	RW02B			4	M	5		2	MESIC MIXED GRASSLAND	322			18	20	NW	2			3	1	1	1	
09/29/94	813	B	MULE DEER	ODHE1	BZ				4	K	0		2	MESIC MIXED GRASSLAND	322			18	20	NW	2			1	1			
09/29/94	749	B	MULE DEER	ODHE1	BZ	RW02B			5	O	0		2	BOTTOMLAND SHRUBLAND	210			18	20	NW	2			1	1			
09/29/94	748	B	MULE DEER	ODHE1	BZ	RW02B			5	O	1		2	MESIC MIXED GRASSLAND	322			18	20	NW	2			2		1	1	
09/29/94	745	B	MULE DEER	ODHE1	BZ	RW02B			5	P	5		2	SHORT UPLAND SHRUBLAND	220			18	20	NW	2			1	1			
10/05/94	1335	B	MULE DEER	ODHE1	BZ	RA03B			6	I	1	5	2	WET MEADOW	10			20	15	SW	8			5		4	1	
10/06/94	740	B	MULE DEER	ODHE1	BZ				14	P	1		2	MESIC MIXED GRASSLAND	322									5	5			
10/10/94	900	B	MULE DEER	ODHE1	BZ				8	I	5	0	2	SHORT MARSH	20	MESIC MIXED GRASSLAND	322							6	2	2	2	
10/10/94	1530	B	MULE DEER	ODHE1	BZ				12	F	5		2	XERIC MIXED GRASSLAND	323									1		1		
10/12/94	1410	B	MULE DEER	ODHE1	BZ		OU10		11	I	1		2	ANNUAL GRASS/FORD	410									3		1	2	
10/12/94	1459	B	MULE DEER	ODHE1	BZ	POND A-2	OU6		12	O	5		2	WET MEADOW	10									5		3	2	
10/12/94	810	B	MULE DEER	ODHE1	BZ	BA01R			13	G	5		2	MESIC MIXED GRASSLAND	322			15	10	W	1			5		6		
10/12/94	1138	B	MULE DEER	ODHE1	BZ				15	L	0		2	MESIC MIXED GRASSLAND	322									23				23
10/12/94	1138	B	MULE DEER	ODHE1	BZ				16	H	0		2	TALL UPLAND SHRUBLAND	230									6		6		
10/14/04	1039	B	MULE DEER	ODHE1	BZ				6	T	1		2	MESIC MIXED GRASSLAND	322									8	5	2	1	
10/14/04	832	B	MULE DEER	ODHE1	BZ				10	G	5		2	MESIC MIXED GRASSLAND	322									2		1	1	
10/14/94	905	B	MULE DEER	ODHE1	BZ	BG02B			10	D	0	5	2	MESIC MIXED GRASSLAND	322			14	5	SW	0			6	2	4		
10/14/94	830	B	MULE DEER	ODHE1	BZ				11	G	5		2	XERIC MIXED GRASSLAND	323									9	1	7	1	
10/14/94	745	B	MULE DEER	ODHE1	BZ	DS01B			14	H	5		2	MESIC MIXED GRASSLAND	322									3		2	1	
10/19/94	915	B	MULE DEER	ODHE1	BZ				11	G	0		2	XERIC MIXED GRASSLAND	323			9	3	SW	0			5		9		
10/19/94	715	B	MULE DEER	ODHE1	BZ				11	G	5		2	XERIC MIXED GRASSLAND	323									6		10	2	
10/19/94	716	B	MULE DEER	ODHE1	BZ		OU11		9	G	0	5	2	MESIC MIXED GRASSLAND	322									7	1	6		
10/19/94	915	B	MULE DEER	ODHE1	BZ				11	G	0	5	2	MESIC MIXED GRASSLAND	322									6		6	1	
10/19/94	915	B	MULE DEER	ODHE1	BZ				12	I	5		2	XERIC MIXED GRASSLAND	323									2		1	1	

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAD CODE	HABITAT2	IAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNK
11/28/94	1044	B	MULE DEER	ODHE1	DZ				6 K		1		2	MESIC MIXED GRASSLAND	322									1	1			
11/28/94	1038	B	MULE DEER	ODHE1	DZ				6 F		5	6	2	MESIC MIXED GRASSLAND	322										12	3	4	5
11/28/94	932	B	MULE DEER	ODHE1	DZ				8 O		1		2	MESIC MIXED GRASSLAND	322										2	1	1	
11/28/94	1206	B	MULE DEER	ODHE1	DZ				11 E		0		2	PONDEROSA WOODLAND	120										1		1	
11/28/94	1306	B	MULE DEER	ODHE1	DZ		OUI10		11 K		5		2	MESIC MIXED GRASSLAND	322										4		1	3
11/28/94	1305	B	MULE DEER	ODHE1	DZ		OUG		12 N		0		2	MESIC MIXED GRASSLAND	322										5			
11/28/94	1106	B	MULE DEER	ODHE1	DZ		OUG		12 P		5	6	2	MESIC MIXED GRASSLAND	322										15	1	10	4
11/28/94	1128	B	MULE DEER	ODHE1	DZ				13 F		0		2	MESIC MIXED GRASSLAND	322	SHORT MARSH		20							6		5	1
11/28/94	1125	B	MULE DEER	ODHE1	DZ				14 F		5		2	MESIC MIXED GRASSLAND	322										1		1	
11/28/94	1130	B	MULE DEER	ODHE1	DZ				14 F		0		2	TALL UPLAND SHRUBLAND	230										10	2	7	1
11/28/94	1125	B	MULE DEER	ODHE1	DZ				14 G		0		2	MESIC MIXED GRASSLAND	322										1		1	
11/28/94	1124	B	MULE DEER	ODHE1	DZ				14 H		1		2	XERIC MIXED GRASSLAND	323										4	1	2	1
11/28/94	1150	B	MULE DEER	ODHE1	DZ				15 L		5		2	XERIC MIXED GRASSLAND	323										3		1	2
11/28/94	1109	B	MULE DEER	ODHE1	DZ				14 O		5	0	2	MESIC MIXED GRASSLAND	322										2	2		
11/28/94	1146	B	MULE DEER	ODHE1	DZ				15 J		1		2	SHORT MARSH	20										2	2		
11/28/94	1141	B	MULE DEER	ODHE1	DZ				15 H		5		2	MESIC MIXED GRASSLAND	322										7	2	3	2
11/28/94	1112	B	MULE DEER	ODHE1	DZ				15 N		0		2	MESIC MIXED GRASSLAND	322										3		3	
12/01/94	1600	B	MULE DEER	ODHE1	DZ		OUI11		8 F		5		2	MESIC MIXED GRASSLAND	322										18			
12/01/94	1540	B	MULE DEER	ODHE1	DZ				14 S		5		2	MESIC MIXED GRASSLAND	322										17			
12/05/94	747	B	MULE DEER	ODHE1	DZ		OUG		11 N		5		2	MESIC MIXED GRASSLAND	322										1	1		
12/05/94	758	B	MULE DEER	ODHE1	DZ				15 L		5		2	MESIC MIXED GRASSLAND	322										3		1	2
12/05/94	859	B	MULE DEER	ODHE1	DZ				15 J		5		2	MESIC MIXED GRASSLAND	322										3	2	1	
12/06/94	917	B	MULE DEER	ODHE1	DZ				5 F		0		2	MESIC MIXED GRASSLAND	322										6	1	3	2
12/06/94	1010	B	MULE DEER	ODHE1	DZ				5 I		5	0	2	MESIC MIXED GRASSLAND	322										8	1	5	2
12/06/94	1010	B	MULE DEER	ODHE1	DZ				6 I		5	0	2	SHORT MARSH	20										8	1	2	2
12/06/94	1028	B	MULE DEER	ODHE1	DZ				7 L		5		2	MESIC MIXED GRASSLAND	322										6		3	3
12/06/94	1010	B	MULE DEER	ODHE1	DZ				7 L		5		2	MESIC MIXED GRASSLAND	322										10		5	5
12/06/94	1010	B	MULE DEER	ODHE1	DZ		OUG		11 P		0		2	MESIC MIXED GRASSLAND	322										1	1		
12/06/94	1119	B	MULE DEER	ODHE1	DZ		OUG		12 N		5	0	2	MESIC MIXED GRASSLAND	322										5	1	1	3
12/06/94	1045	B	MULE DEER	ODHE1	DZ				13 F		5		2	XERIC MIXED GRASSLAND	323										5		6	1
12/06/94	1058	B	MULE DEER	ODHE1	DZ				14 L		1		2	MESIC MIXED GRASSLAND	322										1	1	1	
12/09/94	1100	B	MULE DEER	ODHE1	DZ		OUG		11 N		5		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND		210							5	5		
12/12/04	805	B	MULE DEER	ODHE1	DZ		OUI10		11 K		1	0	2	MESIC MIXED GRASSLAND	322										11			
12/13/04	830	B	MULE DEER	ODHE1	DZ		OUG		13 Q		5	1	2	MESIC MIXED GRASSLAND	322										6	2	4	
12/13/94	835	B	MULE DEER	ODHE1	DZ				13 G		0	5	2	MESIC MIXED GRASSLAND	322				2	8 SW					3	3		
12/13/94	812	B	MULE DEER	ODHE1	DZ				14 S		5		2	MESIC MIXED GRASSLAND	322				-2	0					2	1	2	
12/14/94	736	B	MULE DEER	ODHE1	DZ		OUG		12 N		5		2	MESIC MIXED GRASSLAND	322										11		8	3
12/15/04	748	B	MULE DEER	ODHE1	DZ				3 P		5		2	MESIC MIXED GRASSLAND	322										18	1	12	5
12/15/94	920	B	MULE DEER	ODHE1	DZ				6 H		5	1	2	MESIC MIXED GRASSLAND	322										10	2		
12/15/94	1350	B	MULE DEER	ODHE1	DZ				5 O		5		2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND		110							12	3	5	4
12/15/94	940	B	MULE DEER	ODHE1	DZ				6 F		6		2	MESIC MIXED GRASSLAND	322										2	1	1	
12/15/94	826	B	MULE DEER	ODHE1	DZ				7 S		5		2	MESIC MIXED GRASSLAND	322				0	3 W					11			
12/19/94	1045	B	MULE DEER	ODHE1	DZ		RW02B		4 N		1		2	MESIC MIXED GRASSLAND	322				10	15 W					15	1	8	6
12/19/94	1043	B	MULE DEER	ODHE1	DZ		RW02B		5 O		1		2	WET MEADOW	10				10	15 W					6	6		
12/19/94	1458	B	MULE DEER	ODHE1	DZ		OUG		6 O		5	0	2	MESIC MIXED GRASSLAND	322										9	5	3	1
12/19/94	1021	B	MULE DEER	ODHE1	DZ		RW02Q		5 P		1		2	MESIC MIXED GRASSLAND	322				10	15 W					1	1		
12/19/94	1625	B	MULE DEER	ODHE1	DZ		RW01B		7 M		1		2	MESIC MIXED GRASSLAND	322				10	30 W					2	2		

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DATE	TIME	TAX	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UN	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS	
12/19/94	829	B	MULE DEER	ODHE1	BZ				13	F	5	0	2	TALL UPLAND SHRUBLAND	230				40	W					17	4	7	6	
12/19/94	755	B	MULE DEER	ODHE1	BZ				13	H	5		2	MESIC MIXED GRASSLAND	322				40	W					6		4	2	
12/19/94	728	B	MULE DEER	ODHE1	BZ				14	H	0		2	MESIC MIXED GRASSLAND	322				40	W					16				16
12/19/94	756	B	MULE DEER	ODHE1	BZ				14	H	5		2	MESIC MIXED GRASSLAND	322				40	W					1	1			
12/19/94	823	B	MULE DEER	ODHE1	BZ				14	H	5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230		40	W					8	1	6	1	
12/19/94	757	B	MULE DEER	ODHE1	BZ				13	G	5		2	MESIC MIXED GRASSLAND	322				40	W					6		3	3	
12/19/94	726	B	MULE DEER	ODHE1	BZ				15	J	5		2	MESIC MIXED GRASSLAND	322				40	W					5		3	2	
12/19/94	717	B	MULE DEER	ODHE1	BZ				14	O	5		2	MESIC MIXED GRASSLAND	322				40	W					18	2	11	5	
12/19/94	720	B	MULE DEER	ODHE1	BZ				15	O	5		2	MESIC MIXED GRASSLAND	322				40	W					5	2	3		
12/20/94	1116	B	MULE DEER	ODHE1	BZ	RG03B			2	N	1		2	MESIC MIXED GRASSLAND	322			11	15	W		1			2	2			
12/20/94	1105	B	MULE DEER	ODHE1	BZ	RG03B			2	K	1		2	MESIC MIXED GRASSLAND	322			11	15	W		1			7		7		
12/20/94	1030	B	MULE DEER	ODHE1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230				13	15	W				7	2	3	2	
12/20/94	1030	B	MULE DEER	ODHE1	BZ	RS01B			14	G	0		2	TALL UPLAND SHRUBLAND	230				13	15	W				1	1			
12/20/94	1006	B	MULE DEER	ODHE1	BZ	RA01B			13	G	0		2	MESIC MIXED GRASSLAND	322				10	20	W				9		5	4	
12/20/94	1030	B	MULE DEER	ODHE1	BZ	RS01B			15	G	1		2	TALL UPLAND SHRUBLAND	230				13	15	W				2		1	1	
12/20/94	921	B	MULE DEER	ODHE1	BZ				14	J	5		2	MESIC MIXED GRASSLAND	322										11		6	5	
12/20/94	753	B	MULE DEER	ODHE1	BZ				14	K	5		2	XERIC MIXED GRASSLAND	323										25	1	12	12	
12/20/94	832	B	MULE DEER	ODHE1	BZ	RG02B			16	Q	5	11	2	MESIC MIXED GRASSLAND	322			5	20	W					7	7			
12/21/94	838	B	MULE DEER	ODHE1	BZ	RA03B			5	I	5		2	MESIC MIXED GRASSLAND	322			14	0						16		7	0	
12/21/94	953	B	MULE DEER	ODHE1	BZ	RA03B			7	K	1		2	MESIC MIXED GRASSLAND	322			14	0						12		8	4	
12/22/94	1301	B	MULE DEER	ODHE1	BZ				4	L	0	5	2	MESIC MIXED GRASSLAND	322										20	2	13	5	
12/22/94	1301	B	MULE DEER	ODHE1	BZ				5	P	0		2	MESIC MIXED GRASSLAND	322										2	2			
12/22/94	1301	B	MULE DEER	ODHE1	BZ				6	S	0		2	MESIC MIXED GRASSLAND	322										13	5	4	4	
12/22/94	901	B	MULE DEER	ODHE1	BZ				8	N	1		2	MESIC MIXED GRASSLAND	322										1	1			
12/22/94	830	B	MULE DEER	ODHE1	BZ	OU2			9	P	0		2	MESIC MIXED GRASSLAND	322										3		3		
12/22/94	1301	B	MULE DEER	ODHE1	BZ	OU11			9	D	5	1	2	MESIC MIXED GRASSLAND	322										14		9	5	
12/22/94	901	B	MULE DEER	ODHE1	BZ				11	R	0		2	MESIC MIXED GRASSLAND	322										18	4	10	4	
12/22/94	1358	B	MULE DEER	ODHE1	BZ				14	H	1		2	MESIC MIXED GRASSLAND	322										4		2	2	
12/22/94	1358	B	MULE DEER	ODHE1	BZ				13	H	5		2	MESIC MIXED GRASSLAND	322										4		2	2	
12/22/94	901	B	MULE DEER	ODHE1	BZ				14	T	5		2	MESIC MIXED GRASSLAND	322										7	4	3		
12/22/94	1358	B	MULE DEER	ODHE1	BZ				15	J	5	0	2	TALL UPLAND SHRUBLAND	230										9	2	4	3	
01/25/94	1310	B	MULE X WHITE-TAILED DEER	HEXVI	BZ	RS01B			14	F	0	1	2	TALL UPLAND SHRUBLAND	230			15	5	E		6			1	1			
05/20/94	917	B	MULE X WHITE-TAILED DEER	HEXVI	BZ				14	I	5		2	TALL UPLAND SHRUBLAND	230										1	1			
08/05/94	640	B	MULE X WHITE-TAILED DEER	HEXVI	BZ				13	F	1		2	MESIC MIXED GRASSLAND	322			0	5	W		0			1	1			
11/15/94	834	B	MULE X WHITE-TAILED DEER	HEXVI	BZ				13	F	1		2	MESIC MIXED GRASSLAND	322										1	1			
11/28/94	1141	B	MULE X WHITE-TAILED DEER	HEXVI	BZ				15	H	5		2	MESIC MIXED GRASSLAND	322										1	1			
12/20/94	1030	B	MULE X WHITE-TAILED DEER	HEXVI	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			13	15	W					1	1			
05/26/94	1001	C	GADGER	TATA1	BZ				3	S	0		2	WET MEADOW	10			11	5						1				
01/25/94	1108	C	COYOTE	CALA1	BZ	RG03B			17	P	5		2	MESIC MIXED GRASSLAND	322			7	5	E		4			2				
01/25/94	1424	C	COYOTE	CALA1	BZ	RG02B			16	Q	5		2	MESIC MIXED GRASSLAND	322			14	5	NW		6			4				
01/25/94	1424	C	COYOTE	CALA1	BZ	RG02B			16	P	1		2	MESIC MIXED GRASSLAND	322			14	5	NW		6			1				
02/03/94	1343	C	COYOTE	CALA1	BZ	RG02B			9	C	0		2	DISTURBED/DARRIN LANDS	420			8	20	NW		2			1				
02/18/94	1530	C	COYOTE	CALA1	BZ	RG02B			15	P	0		2	MESIC MIXED GRASSLAND	322			7	16	NW		4			1				
02/18/94	1450	C	COYOTE	CALA1	BZ	RG02B			16	Q	1		2	MESIC MIXED GRASSLAND	322			7	15	NW		4			1				
02/22/94	1316	C	COYOTE	CALA1	BZ	RA01B			12	F	0	1	2	SHORT MARSH	20			-4	5	NE		8			1				
02/22/94	1444	C	COYOTE	CALA1	BZ	RS01B			13	F	5		2	TALL UPLAND SHRUBLAND	230			-1	5	E		8			1				
02/22/94	1505	C	COYOTE	CALA1	BZ				13	P	0		2	MESIC MIXED GRASSLAND	322			-1	5	NW		8	5	5	1				

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP UNIT	ROADNAME	RF	RF	ACTI-	ACTI-	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.	
		GRP		CODE	AREA	NAME			GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMALE	YNG	UNCLAS	
02/25/94	1015	C	COYOTE	CALA1	BZ	BG01B			2	G	1		2	MESIC MIXED GRASSLAND	322			-10	10	SE	8	5		1				1	
02/25/94	918	C	COYOTE	CALA1	BZ	BA01A			5	I	1		2	MESIC MIXED GRASSLAND	322	TALL MARSH	30	-10	10	SE	8	5		3				3	
02/28/94	906	C	COYOTE	CALA1	BZ	RA03B			5	I	5		2	MESIC MIXED GRASSLAND	322			8	0		7			1				1	
02/28/94	945	C	COYOTE	CALA1	DZ				4	K	5		2	MESIC MIXED GRASSLAND	322			8	5	W	7			1				1	
02/28/94	905	C	COYOTE	CALA1	DZ		OU11		9	E	5		2	MESIC MIXED GRASSLAND	322			3	2	NW	6			1				1	
03/04/94	820	C	COYOTE	CALA1	DZ				1	Q	5		2	MESIC MIXED GRASSLAND	322			10			0		0	0	1				1
03/18/94	1442	C	COYOTE	CALA1	DZ				2	O	5		2	MESIC MIXED GRASSLAND	322									1					1
03/23/94	615	C	COYOTE	CALA1	BZ	BG01B			4	G	1		2	MESIC MIXED GRASSLAND	322			5	25	W	0			1				1	
03/24/94	1130	C	COYOTE	CALA1	DZ	RG02B			16	Q	5		2	MESIC MIXED GRASSLAND	322			7	5	NW	6			1				1	
03/30/94		C	COYOTE	CALA1	BZ	BW01A			7	L	1		2	MESIC MIXED GRASSLAND	322			5	0					1				1	
03/31/94	1348	C	COYOTE	CALA1	BZ	RA01B			12	F	5		2	SHORT MARSH	20			13	5	W				1				1	
04/1/94	730	C	COYOTE	CALA1	DZ				7	L	1	5	2	MESIC MIXED GRASSLAND	322			12	20	W	0			1				1	
04/26/94	700	C	COYOTE	CALA1	BZ	BX01L			12	G	1		2	XERIC MIXED GRASSLAND	323			0	10	SE	8	5		1				1	
05/16/94		C	COYOTE	CALA1	DZ	BG02B			10	D	1		2	MESIC MIXED GRASSLAND	322			13	10	S				1				1	
05/24/94	650	C	COYOTE	CALA1	DZ	RW01A			7	O	13		2	MESIC MIXED GRASSLAND	322			14	0		6			11			7	4	
05/26/94	830	C	COYOTE	CALA1	DZ	RG03B			2	L	1		2	MESIC MIXED GRASSLAND	322			9	10	SW	7			1				1	
06/01/94	1558	C	COYOTE	CALA1	DZ				14	O	0		2	MESIC MIXED GRASSLAND	322									2				2	
06/01/94	1535	C	COYOTE	CALA1	DZ				16	G	5		2	MESIC MIXED GRASSLAND	322									1				1	
06/08/94	845	C	COYOTE	CALA1	BZ	BA01B			5	I	13		2	MESIC MIXED GRASSLAND	322			19	5	SE	0			2				2	
06/08/94	810	C	COYOTE	CALA1	BZ	BG01B			4	G	1		2	MESIC MIXED GRASSLAND	322			19	5	SE	0			1				1	
06/13/94	1455	C	COYOTE	CALA1	BZ	POND D-2			2	T	5		2	RECLAIMED MIXED GRASSLAND	324									1				1	
06/23/94	915	C	COYOTE	CALA1	DZ				11	F	1		2	MESIC MIXED GRASSLAND	322									1				1	
06/29/94	810	C	COYOTE	CALA1	BZ				5	I	5	1	2	MESIC MIXED GRASSLAND	322	SHORT MARSH	20							3			1	2	
07/13/94	720	C	COYOTE	CALA1	DZ				2	S	5		2	WET MEADOW	10			18	2	NW	1			1				1	
07/13/94	720	C	COYOTE	CALA1	DZ	BD03B			2	Q	5		2	MESIC MIXED GRASSLAND	322			18	2	NW	1			1				1	
07/13/94	632	C	COYOTE	CALA1	DZ	SID			8	P	4	13	2	MESIC MIXED GRASSLAND	322	TALL MARSH	30							3			2	1	
07/25/94	640	C	COYOTE	CALA1	DZ		OU5		7	P	1	13	2	MESIC MIXED GRASSLAND	322									2			2		
07/27/94	1045	C	COYOTE	CALA1	DZ	RA03B			5	J	0		2	TALL UPLAND SHRUBLAND	230			26	5	NE	1			2				2	
07/27/94	1038	C	COYOTE	CALA1	DZ	RA03B			5	I	5		2	WET MEADOW	10			26	5	NE	1			1				1	
07/27/94	1835	C	COYOTE	CALA1	DZ	RS01B			13	F	1		2	TALL UPLAND SHRUBLAND	230			25	5	NE	7			1				1	
07/27/94	1619	C	COYOTE	CALA1	DZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			25	5	NE	7			1				1	
07/28/94	705	C	COYOTE	CALA1	BZ	RW01A			7	N	1		2	MUDFLAT	93			16	0		7			1				1	
07/28/94	630	C	COYOTE	CALA1	DZ	RW01A	OU5		7	P	1		2	MESIC MIXED GRASSLAND	322			16	0		7			1				1	
08/05/94	700	C	COYOTE	CALA1	BZ	BS01B			14	G	1		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230			17	3	NW	7		1			1	
08/09/94	2030	C	COYOTE	CALA1	DZ				2	R	5		4	MESIC MIXED GRASSLAND	322			20	10	NW				1				1	
08/09/94	2032	C	COYOTE	CALA1	BZ				2	N	5		4	MESIC MIXED GRASSLAND	322			20	10	NW				1				1	
08/09/94	2125	C	COYOTE	CALA1	DZ				6	K	5		4	MESIC MIXED GRASSLAND	322			20	10	NW				1				1	
08/09/94	2121	C	COYOTE	CALA1	DZ				5	J	5		4	MESIC MIXED GRASSLAND	322			20	10	NW				3				0	
08/09/94	730	C	COYOTE	CALA1	DZ				4	N	5		2	SHORT MARSH	20									1				1	
08/09/94	2219	C	COYOTE	CALA1	BZ				14	G	1		4	XERIC MIXED GRASSLAND	323			20	10	NW				1				1	
08/09/94	2234	C	COYOTE	CALA1	DZ				15	K	1		4	SHORT MARSH	20			20	10	NW				1				1	
08/09/94	2223	C	COYOTE	CALA1	DZ				15	G	1		4	TALL UPLAND SHRUBLAND	230			20	10	NW				1				1	
08/09/94	2240	C	COYOTE	CALA1	BZ				16	G	1		4	MESIC MIXED GRASSLAND	322			20	10	NW				1				1	
08/16/94		C	COYOTE	CALA1	DZ				2	P	5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2		1				1	
08/16/94		C	COYOTE	CALA1	DZ				2	T	5	1	4	TALL MARSH	30			23	10	W	8	2		1				1	
08/16/94		C	COYOTE	CALA1	DZ				6	J	5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2		1				1	
08/16/94	855	C	COYOTE	CALA1	DZ	BG02B			10	D	0		2	SHORT UPLAND SHRUBLAND	220	MESIC MIXED GRASSLAND	322		28	20	W	0		1				1	

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI- VTY 1	ACTI- VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS.		
08/16/94		C	COYOTE	CALA1	BZ				14 M		5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2							1	
08/16/94		C	COYOTE	CALA1	BZ				15 G		5	1	4	TALL UPLAND SHRUBLAND	230			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				15 H		5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				15 I		1		4	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				15 J		1		4	MESIC MIXED GRASSLAND	322			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				13 P		5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				15 F		5	1	4	TALL UPLAND SHRUBLAND	230			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				16 M		5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				16 L		5	1	4	MESIC MIXED GRASSLAND	322			23	10	W	8	2								
08/16/94		C	COYOTE	CALA1	BZ				13 H		1	5	3	MESIC MIXED GRASSLAND	322			20	2	SW										
08/17/94	2030	C	COYOTE	CALA1	BZ				14 J		5	1	2	MESIC MIXED GRASSLAND	322															
08/19/94	905	C	COYOTE	CALA1	BZ				15 N		5	1	2	MESIC MIXED GRASSLAND	322															
08/19/94	900	C	COYOTE	CALA1	BZ				15 N		5	1	2	MESIC MIXED GRASSLAND	322															
08/23/94	918	C	COYOTE	CALA1	BZ				3 F		1		2	MESIC MIXED GRASSLAND	322															
08/23/94	718	C	COYOTE	CALA1	BZ				2 T		1		2	RECLAIMED MIXED GRASSLAND	324															
08/23/94	626	C	COYOTE	CALA1	BZ	RW01A	OUS		7 P		0		2	BOTTOMLAND SHRUBLAND	210			16	0											
08/23/94	1025	C	COYOTE	CALA1	BZ				13 F		1		2	MESIC MIXED GRASSLAND	322															
08/23/94	1100	C	COYOTE	CALA1	BZ				15 E		1		2	MESIC MIXED GRASSLAND	322															
08/26/94		C	COYOTE	CALA1	BZ	BS02B			14 G		5		2	SHORT MARSH	20			23	0			1								
08/29/94	814	C	COYOTE	CALA1	BZ	RA04B			2 T		0		2	WET MEADOW	10			20	3	W										
08/29/94	814	C	COYOTE	CALA1	BZ	RA04D			3 S		5		2	WET MEADOW	10			20	3	W										
09/12/94	1050	C	COYOTE	CALA1	BZ	RA03B			6 K		0		2	ROADSIDE/FENCEROW	540			25	5	SE		3								
09/13/94	921	C	COYOTE	CALA1	BZ	RS03B			5 S		1		2	DECIDUOUS WOODLAND	110			20	0			6								
10/06/94	902	C	COYOTE	CALA1	EA			96TH/INDIANA			5		2	MESIC MIXED GRASSLAND	322															
10/10/94	719	C	COYOTE	CALA1	BZ				7 N		1		2	DISTURBED/BARREN LANDS	420			2	5	NW		0								
10/13/94	906	C	COYOTE	CALA1	EA			06TH/WALKIRE			5		2	LAKESHORE MUFLAT	93															
10/14/94	807	C	COYOTE	CALA1	BZ				14 G		0		2	MESIC MIXED GRASSLAND	322			9	3	SW		0								
10/20/94	807	C	COYOTE	CALA1	BZ				12 I		1		2	XERIC MIXED GRASSLAND	323															
10/20/94	830	C	COYOTE	CALA1	BZ	RS02B			13 H		1		2	SHORT UPLAND SHRUBLAND	220			9	10	E										
10/20/94	810	C	COYOTE	CALA1	BZ	RS02B			14 I		1		2	MESIC MIXED GRASSLAND	322			9	10	E										
10/24/94	907	C	COYOTE	CALA1	BZ	RA02A			5 J		5		2	SHORT MARSH	20			7	0											
10/24/94	735	C	COYOTE	CALA1	BZ	RW01A			7 O		1		2	MESIC MIXED GRASSLAND	322															
10/25/94	954	C	COYOTE	CALA1	BZ	BG01R			15 O		1		2	MESIC MIXED GRASSLAND	322			12	5	W										
10/26/94	840	C	COYOTE	CALA1	BZ	BG01B			3 G		5		2	MESIC MIXED GRASSLAND	322			15	0											
10/28/94	901	C	COYOTE	CALA1	BZ				9 F		5		2	MESIC MIXED GRASSLAND	322															
10/28/94	1026	C	COYOTE	CALA1	EA			96TH/INDIANA			5		2	MESIC MIXED GRASSLAND	322															
10/28/94	901	C	COYOTE	CALA1	BZ				2 N		5		2	MESIC MIXED GRASSLAND	322															
10/28/94	901	C	COYOTE	CALA1	BZ				4 H		5		2	MESIC MIXED GRASSLAND	322															
10/28/94	842	C	COYOTE	CALA1	BZ				12 F		5		2	MESIC MIXED GRASSLAND	322															
10/28/94	805	C	COYOTE	CALA1	BZ				14 C		5		2	TALL UPLAND SHRUBLAND	230															
10/28/94	810	C	COYOTE	CALA1	BZ				17 H		5		2	MESIC MIXED GRASSLAND	322															
10/28/94	827	C	COYOTE	CALA1	BZ				16 G		1		2	MESIC MIXED GRASSLAND	322															
10/28/94	828	C	COYOTE	CALA1	BZ				15 M		5		2	MESIC MIXED GRASSLAND	322															
11/14/94	720	C	COYOTE	CALA1	BZ				7 H		5		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210													
11/14/94	830	C	COYOTE	CALA1	BZ	DA01A			7 K		1		2	MESIC MIXED GRASSLAND	322			-1	0	0		8								
11/15/94	745	C	COYOTE	CALA1	BZ	BS01B			14 F		5		2	TALL UPLAND SHRUBLAND	230			-6	5	NW		0								
11/18/94	1010	C	COYOTE	CALA1	BZ				2 T		5		2	RECLAIMED MIXED GRASSLAND	324															
11/18/94	1010	C	COYOTE	CALA1	BZ				7 O		5		2	MESIC MIXED GRASSLAND	322															

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UN1	ROADNAME	RF GRID N	RF GRID E	ACT1- VTY 1	ACT1- VTY 2	DAY NITE	HABITAT	HAD CODE	HABITAT2	HAD CODE2	TEMP	WND SPD	WND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS
08/09/94	2342	C	RACCOON	PRLO1	BZ		OU6		11	P		1		4 COTTONWOOD TREE	110			20	10	NW				2				2
09/15/94	748	C	RACCOON	PRLO1	BZ	RW03B	OU5		7	J		0		2 WET MEADOW	10			12	15	W				1				1
10/07/94	1032	C	RACCOON	PRLO1	BZ	RA04B			4	R		1		2 TALL MARSH	30			14	5	SE	3			1				1
11/23/94	1035	C	RACCOON	PRLO1	BZ	RS03B			5	S		1		2 BOTTOMLAND SHRUBLAND	210			15	3	SE				1				1
08/24/94	743	M	BEAVER	CACA1	BZ	POND A-1	OU6		11	N		1		2 MUDFLAT	93			23	0		3			1				1
01/25/94	1430	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			10	Q	5	0		2 MESIC MIXED GRASSLAND	322			14	5	NW	6			18				18
01/25/94	1108	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG03B			17	P		0		2 MESIC MIXED GRASSLAND	322			7	5	E	4			30				30
02/18/94	1450	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			16	Q	5	0		2 MESIC MIXED GRASSLAND	322			7	15	NW	4			17				17
03/24/94	1130	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			16	Q	5	0		2 MESIC MIXED GRASSLAND	322			7	5	NW	6			37				37
05/25/94	1510	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RS01B			14	G		1		2 TALL UPLAND SHRUBLAND	230			19	20	NE	7			1				1
05/28/94	808	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ	RG02B			17	P		0	5	2 MESIC MIXED GRASSLAND	322			9	15	SW	8			20				20
06/01/94	1442	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				2	N		14		2 MESIC MIXED GRASSLAND	322									1			1	
06/14/94	850	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				16			0		2 XERIC MIXED GRASSLAND	323									5				5
06/22/94	930	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				14	P		1		2 MESIC MIXED GRASSLAND	322									1			1	
08/23/94	850	M	BLACK-TAILED PRAIRIE DOG	CYLU1	BZ				2	O		0		2 MESIC MIXED GRASSLAND	322									9				9
02/01/94	1509	M	DESERT COTTONTAIL	SYAU1	BZ	RA02B	OU6		12	Q	5			2 DEBRIS PILES	550	STRUCTURES	520	1	15	NE				13				13
02/28/94	1509	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A			7	N		0		2 DISTURBED/BARREN LANDS	420			0	15	NW	8			1				1
03/04/94	722	M	DESERT COTTONTAIL	SYAU1	BZ	BA01A	OU6		12	Q		0		2 DEBRIS PILES	550			10			0		0	2				2
03/30/94		M	DESERT COTTONTAIL	SYAU1	BZ	BA01A			7	L		0		2 DISTURBED/ANNUAL GRASS	410			6	0					1				1
04/04/94	1132	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A			7	K		0		2 RIPRAP	530			18	35	W	2			1				1
04/25/94		M	DESERT COTTONTAIL	SYAU1	BZ	BA01A			7	K		0		2 DISTURBED/ANNUAL GRASS	410			8	10	NE				1				1
04/25/94		M	DESERT COTTONTAIL	SYAU1	BZ	BA01A	OU5		7	J		0		2 DISTURBED/ANNUAL GRASS	410			8	10	NE				1				1
04/29/94	735	M	DESERT COTTONTAIL	SYAU1	BZ	RG01A			8	N		0		2 ROADSIDE/FENCEROW	540			1	10	SE	8			1				1
05/03/94	1220	M	DESERT COTTONTAIL	SYAU1	BZ	RA02A	OU6		12	Q		0		2 DISTURBED/BARREN LANDS	420			12	5	NW	8			2				2
05/04/94	1100	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A	OU5		7	P		0		2 RIPRAP	530			18	5	S	4			1				1
05/16/94		M	DESERT COTTONTAIL	SYAU1	BZ	BA01A			7	M		0		2 MESIC MIXED GRASSLAND	322			12	5					1				1
05/18/94	738	M	DESERT COTTONTAIL	SYAU1	BZ	POND A-2	OU6		12	O		0		2 DISTURBED/ANNUAL GRASS	410			16	5	W	8			1				1
05/20/94	817	M	DESERT COTTONTAIL	SYAU1	BZ				1	N		0		2 GRAZED DOWN PASTURE	325									1			1	
05/20/94	705	M	DESERT COTTONTAIL	SYAU1	BZ		OU5		7	P		0		2 MESIC MIXED GRASSLAND	322									3				3
05/20/94	705	M	DESERT COTTONTAIL	SYAU1	BZ		OU5		7	P		0		2 DISTURBED/BARREN LANDS	420									2				2
05/20/94	714	M	DESERT COTTONTAIL	SYAU1	BZ	POND C-2	OU5		7	P		0		2 RECLAIMED MIXED GRASSLAND	324									2				2
05/20/94	710	M	DESERT COTTONTAIL	SYAU1	BZ		OU5		7	P		0		2 WET MEADOW	10									4				4
05/20/94	700	M	DESERT COTTONTAIL	SYAU1	BZ		OU1		8	L		0		2 DISTURBED/BARREN LANDS	420									3			3	
05/23/94	640	M	DESERT COTTONTAIL	SYAU1	BZ	RG01A	OU1		8	L		0		2 RECLAIMED MIXED GRASSLAND	324			15	0					1				1
05/24/94	645	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A	OU5		7	P		1		2 RIPRAP	530			14	0		6			3				3
05/24/94	738	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A			7	N		0		2 DISTURBED/BARREN LANDS	420			14	0		6			4				4
05/28/94	1423	M	DESERT COTTONTAIL	SYAU1	BZ		OU6		12	Q		0		2 ROADSIDE/FENCEROW	540			16	5	SE	4			2				2
05/28/94	808	M	DESERT COTTONTAIL	SYAU1	BZ	RG02B			17	P		0		2 MESIC MIXED GRASSLAND	322			9	15	SW	8			1				1
06/01/94	1434	M	DESERT COTTONTAIL	SYAU1	BZ				2	O		0		2 MESIC MIXED GRASSLAND	322									1				1
06/10/94	1024	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A			7	N		0		2 DISTURBED GRAVEL	530			22	5	SE				1				1
06/15/94	750	M	DESERT COTTONTAIL	SYAU1	BZ	POND C-1	OU5		7	N		0		2 DISTURBED/BARREN LANDS	420			20	2	W	0			2				2
06/20/94	635	M	DESERT COTTONTAIL	SYAU1	BZ		OU2		8	N		0		2 DISTURBED/BARREN LANDS	420									1				1
06/20/94	635	M	DESERT COTTONTAIL	SYAU1	BZ	POND C-2	OU5		7	P		0		2 DISTURBED/BARREN LANDS	420									4				4
06/20/94	835	M	DESERT COTTONTAIL	SYAU1	BZ	SID			8	O		0		2 DISTURBED/BARREN LANDS	420									1				1
06/20/94	830	M	DESERT COTTONTAIL	SYAU1	IA	CONT YRD	OU1		8	L		0		2 DISTURBED/BARREN LANDS	420									2				2
06/28/94	1436	M	DESERT COTTONTAIL	SYAU1	BZ	RA02B	OU6		12	Q		0		2 MESIC MIXED GRASSLAND	322			29	10	SE	1			1				1
06/30/94	700	M	DESERT COTTONTAIL	SYAU1	BZ				8	N		0		2 MESIC MIXED GRASSLAND	322									1				1

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS.	
11/14/94	1344	M	DESERT COTTONTAIL	SYAU1	BZ	RA02B	OU6		12	Q	0	5	2	DISTURBED ROADSIDE	420			2	3	E	8		6	2				2	
11/21/94	1309	M	DESERT COTTONTAIL	SYAU1	BZ	RW01A	OU5		7	P	0		2	RIPRAP	530			0	5	S	4			3				3	
11/22/94	1520	M	DESERT COTTONTAIL	SYAU1	BZ		OU1		8	L	0		2	DISTURBED/BARREN LANDS	420										1				1
11/28/94	630	M	DESERT COTTONTAIL	SYAU1	BZ				8	K	0		2	DISTURBED/BARREN LANDS	420										2				2
03/02/94	1240	M	DESERT COTTONTAIL	SYAU1	BZ	RA02B	OU6		12	Q	0		2	DISTURBED/BARREN LANDS	420			18	10	E					2				2
08/21/94	921	M	EASTERN FOX SQUIRREL	SCN11	BZ	RS01B			14	F	0		2	PONDEROSA PINE TREE	120	TALL UPLAND SHRUBLAND	230	23	5	W	2			1	1				1
10/19/94	836	M	EASTERN FOX SQUIRREL	SCN11	BZ	RS01B			13	F	1	5	2	COTTONWOOD TREE	110	TALL UPLAND SHRUBLAND	230	18	0		1				1				1
12/13/94	754	M	EASTERN FOX SQUIRREL	SCN11	BZ	BS01B			13	F	0		2	TALL UPLAND SHRUBLAND	230			-2	0		1				1				1
02/04/94	1142	M	JACKRABBIT	LEP1	BZ	BD01A			9	C	1		2	DISTURBED/ANNUAL GRASS	410			2	15	W	0				1				1
03/18/94	1555	M	MUSKRAT	ONZ11	BZ	POND B-4	OU6		10	P	1		2	OPEN SHALLOW WATER	54										1				1
03/31/94	1604	M	MUSKRAT	ONZ11	BZ	POND A-2	OU6		12	O	1		2	OPEN SHALLOW WATER	54			10	5	SE					1				1
06/24/94	800	M	MUSKRAT	ONZ11	BZ	L. POND			13	H	16		2	OPEN SHALLOW WATER	54			18	0		0				1				1
06/28/94	1516	M	MUSKRAT	ONZ11	BZ	POND B-3	OU6		10	O	16		2	OPEN SHALLOW WATER	54			29	10	SE	1				1				1
07/26/94	1545	M	MUSKRAT	ONZ11	BZ	POND C-1	OU5		7	N	16		2	OPEN SHALLOW WATER	54										1				1
07/26/94	1530	M	MUSKRAT	ONZ11	BZ	POND B-2	OU6		10	O	16		2	OPEN SHALLOW WATER	54										1				1
07/28/94	705	M	MUSKRAT	ONZ11	BZ	RW01A			7	N	1		2	MUDFLAT	93			16	0		7				1				1
07/28/94	705	M	MUSKRAT	ONZ11	BZ	RW01A			7	N	1		2	MUDFLAT	93			27	10	E	2				1				1
07/29/94	752	M	MUSKRAT	ONZ11	BZ	POND A-2	OU6		12	O	16		2	OPEN SHALLOW WATER	54										1				1
08/03/94	1550	M	MUSKRAT	ONZ11	BZ	POND C-2	OU5		7	P	5	1	2	OPEN SHALLOW WATER	54			16	0						1				1
08/23/94	637	M	MUSKRAT	ONZ11	BZ	POND C-1	OU5		7	N	1		2	OPEN SHALLOW WATER	54			23	0		3				1				1
08/24/94	849	M	MUSKRAT	ONZ11	BZ	POND B-2	OU6		10	O	1		2	OPEN SHALLOW WATER	54			19	10	S	8				1				1
10/05/94	1553	M	MUSKRAT	ONZ11	BZ	POND B-2	OU6		10	O	1		2	OPEN SHALLOW WATER	54			2	3	E				6	1				1
11/14/94	1325	M	MUSKRAT	ONZ11	BZ	POND A-2	OU6		12	O	1		2	OPEN SHALLOW WATER	54			7	10	NE	6				1				1
02/18/94	1440	M	PORCUPINE	ERD01	BZ	RS02B			16	L	0		2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	2	3	E	8				1				1
03/25/94	1015	M	PORCUPINE	ERD01	BZ	BS02B			14	I	0		2	TALL UPLAND SHRUBLAND	230			12	5	E	3				1				1
01/14/94	1510	R	AMERICAN KESTREL	FASP1	EA			SIMMS/HYW 12B			0		2	POWERPOLE	510	MESIC MIXED GRASSLAND	322	7	30	W					1				1
01/14/94	1540	R	AMERICAN KESTREL	FASP1	BZ				7	N	5		2	MESIC MIXED GRASSLAND	322			7	30	W					1				1
01/14/94	1632	R	AMERICAN KESTREL	FASP1	BZ				7	L	0		2	POWERPOLE	510	MESIC MIXED GRASSLAND	322	7	30	W					1				1
02/01/94	1422	R	AMERICAN KESTREL	FASP1	BZ	RG02A	OU5		7	H	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	4	5	SE					1	1			1
03/08/94	1115	R	AMERICAN KESTREL	FASP1	BZ				14	U	5		2	MESIC MIXED GRASSLAND	322										1				1
03/08/94	1115	R	AMERICAN KESTREL	FASP1	BZ		OU6		13	U	5		2	MESIC MIXED GRASSLAND	322										1				1
03/24/94	1242	R	AMERICAN KESTREL	FASP1	BZ				15	Q	17		2	MESIC MIXED GRASSLAND	322			8	5	NE	7				1				1
03/30/94	1021	R	AMERICAN KESTREL	FASP1	BZ	RA04B			2	T	5		2	TALL MARSH	30			12	10	SW					1	1			1
04/13/94	730	R	AMERICAN KESTREL	FASP1	BZ	BW01R			15	K	5		2	XERIC MIXED GRASSLAND	323			12	20	W	0				1				1
04/13/94	915	R	AMERICAN KESTREL	FASP1	BZ	DW01B			13	S	0		2	DECIDUOUS WOODLAND	110			15	30	NW	0				1				1
04/18/94	745	R	AMERICAN KESTREL	FASP1	BZ	DA01R			13	H	5		2	MESIC MIXED GRASSLAND	322			20	5	NE	4				1				1
04/25/94		R	AMERICAN KESTREL	FASP1	BZ	BA01A			7	N	1		2	MESIC MIXED GRASSLAND	322			8	10	NE					1				1
04/29/94	1259	R	AMERICAN KESTREL	FASP1	BZ	RA03B			6	K	0		2	MESIC MIXED GRASSLAND	322			2	5	NE	8				1				1
04/29/94	1314	R	AMERICAN KESTREL	FASP1	BZ	RW03B	OU5		7	J	0		2	DECIDUOUS WOODLAND	110			3	5	N	8				1				1
04/29/94	1314	R	AMERICAN KESTREL	FASP1	BZ	RA03B			13	H	5		2	TALL MARSH	30			2	10	NW	8				1				1
04/29/94	1443	R	AMERICAN KESTREL	FASP1	BZ	LA01B			13	H	5		2	TALL MARSH	30			12	5	E	4				1				1
05/02/94	943	R	AMERICAN KESTREL	FASP1	BZ	RG03B			2	L	1		2	XERIC MIXED GRASSLAND	323			11	5	NE	8				1				1
05/02/94	1046	R	AMERICAN KESTREL	FASP1	BZ	RA04D			4	Q	0		2	DECIDUOUS WOODLAND	110			13	5	E	8				1				1
05/02/94	1234	R	AMERICAN KESTREL	FASP1	BZ	RW02B			5	P	5		2	DECIDUOUS WOODLAND	110			15	5	SE	0				1				1
05/04/94	845	R	AMERICAN KESTREL	FASP1	BZ	BD01A			7	N	5		2	MESIC MIXED GRASSLAND	322			16	5	NW					1				1
05/11/94		R	AMERICAN KESTREL	FASP1	BZ	BA01B			6	K	1		2	MESIC MIXED GRASSLAND	322			15	5	SE	0				1				1
05/13/94	1324	R	AMERICAN KESTREL	FASP1	BZ	RW03B	OU5		7	J	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	14	0		7				1	1			1
05/13/94	1350	R	AMERICAN KESTREL	FASP1	BZ	RG02A	OU5		7	H	1		2	MESIC MIXED GRASSLAND	322			19	5	W	7				1				1
05/18/94	935	R	AMERICAN KESTREL	FASP1	BZ				13	G	1		2	MESIC MIXED GRASSLAND	322			18	10	SE					1				1

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		GRP		CODE	AREA	NAME			GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS	
05/20/94	1025	R	AMERICAN KESTREL	FASP1	EA			96TH/GOLF RANGE				5	2	MESIC MIXED GRASSLAND	322									1				1	
05/20/94	1010	R	AMERICAN KESTREL	FASP1	BZ				4	U	0		2	POWERLINE	510	ROADSIDE/FENCEROW	540							1	1				
05/20/94	940	R	AMERICAN KESTREL	FASP1	BZ				13	P	5		2	MESIC MIXED GRASSLAND	322									1				1	
05/26/94	1430	R	AMERICAN KESTREL	FASP1	BZ		OU2		10	O	5		2	MESIC MIXED GRASSLAND	322			16	5	SE	.4			1				1	
06/07/94	820	R	AMERICAN KESTREL	FASP1	BZ	BW01B	OU6		13	U	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	25	10	NW	1			1	1				
06/20/94		R	AMERICAN KESTREL	FASP1	BZ	BA01R			13	G	1		2	MESIC MIXED GRASSLAND	322			20	5	NE	5			1				1	
06/22/94		R	AMERICAN KESTREL	FASP1	BZ	BW01B			13	T	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	25	0		4			1				1	
06/22/94	930	R	AMERICAN KESTREL	FASP1	BZ				14	P	5		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322							1				1	
06/23/94		R	AMERICAN KESTREL	FASP1	BZ	DX01B			10	R	5		2	XERIC MIXED GRASSLAND	323			18	5	SE	1			1				1	
06/23/94	840	R	AMERICAN KESTREL	FASP1	BZ				13	G	5		2	MESIC MIXED GRASSLAND	322									1					1
06/24/94	1250	R	AMERICAN KESTREL	FASP1	BZ	RA01B			13	G	1		2	MESIC MIXED GRASSLAND	322			29	10	NE	1			2	1			1	
06/24/94	710	R	AMERICAN KESTREL	FASP1	BZ	BS02B			14	F	1		2	TALL UPLAND SHRUBLAND	230			18	0		0			1				1	
06/27/94	951	R	AMERICAN KESTREL	FASP1	BZ				1	T	5		2	MESIC MIXED GRASSLAND	322									1					1
06/27/94	855	R	AMERICAN KESTREL	FASP1	BZ	DX01B			13	G	1		2	XERIC MIXED GRASSLAND	323			24	15	E	0			1	1				1
06/27/94	718	R	AMERICAN KESTREL	FASP1	BZ	BA01R			13	H	1	11	2	MESIC MIXED GRASSLAND	322			18	0		1			3	2			1	
06/28/94		R	AMERICAN KESTREL	FASP1	BZ	BW01B			13	T	0		2	DECIDUOUS WOODLAND	110			24	10	E	0			2	1			1	
06/28/94		R	AMERICAN KESTREL	FASP1	BZ	BW01B			13	S	1		2	DECIDUOUS WOODLAND	110			24	10	E	0			1				1	
06/28/94		R	AMERICAN KESTREL	FASP1	BZ	BS02B			14	I	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	18	5	E	0			2	2				
06/28/94		R	AMERICAN KESTREL	FASP1	BZ	BS02B			14	I	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	18	5	E	0			2				2	
07/01/94	1005	R	AMERICAN KESTREL	FASP1	BZ				11	F	5		2	XERIC MIXED GRASSLAND	323									1				1	
07/01/94	1005	R	AMERICAN KESTREL	FASP1	BZ	LINDSAY			13	G	0		2	LINDSAY RANCH HOUSE	520									2	1			1	
07/13/94	950	R	AMERICAN KESTREL	FASP1	BZ	DG01B			5	G	5		2	MESIC MIXED GRASSLAND	322			20	10	NE	1			1				1	
07/13/94	950	R	AMERICAN KESTREL	FASP1	BZ	DG01B			5	G	1		2	MESIC MIXED GRASSLAND	322			20	10	N	1			1				1	
07/19/94	1300	R	AMERICAN KESTREL	FASP1	BZ	POND A-2	OU6		12	O	5		2	MESIC MIXED GRASSLAND	322									1				1	
07/27/94	1120	R	AMERICAN KESTREL	FASP1	BZ	RG02A			7	F	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	26	5	NE	1			1				1	
08/25/94		R	AMERICAN KESTREL	FASP1	BZ	DD03B			3	Q	1		2	RECLAIMED MIXED GRASSLAND	324			25	5	E	2			1				1	
09/20/94	715	R	AMERICAN KESTREL	FASP1	BZ	BW01R			17	K	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	13	10	N	8			1				1	
09/21/94	752	R	AMERICAN KESTREL	FASP1	BZ	RD02B			8	C	5		2	ANNUAL GRASS/FORB	410			12	5	W	6			1				1	
09/21/94	740	R	AMERICAN KESTREL	FASP1	BZ	DD01B			8	C	1		2	DISTURBED/ANNUAL GRASS	410			12	5	W				1				1	
09/20/94	840	R	AMERICAN KESTREL	FASP1	BZ				3	F	5		2	MESIC MIXED GRASSLAND	322									1				1	
09/29/94	700	R	AMERICAN KESTREL	FASP1	BZ	RG03B			2	M	5		2	MESIC MIXED GRASSLAND	322			17	15	NW	1			1	1			1	
10/05/94	1533	R	AMERICAN KESTREL	FASP1	BZ	RA02B	OU6		12	Q	0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322	19	10	S	8			1	1			1	
10/06/94	1015	R	AMERICAN KESTREL	FASP1	BZ	POND D-2			2	T	5		2	MESIC MIXED GRASSLAND	322									1				1	
10/10/94	800	R	AMERICAN KESTREL	FASP1	BZ	BS02B			14	G	1		2	TALL UPLAND SHRUBLAND	230			8	0					1				1	
10/12/94	1040	R	AMERICAN KESTREL	FASP1	BZ		OU5		7	I	5		2	MESIC MIXED GRASSLAND	322									1				1	
10/12/94	810	R	AMERICAN KESTREL	FASP1	BZ	BA01R			13	G	1	1	2	LINDSAY RANCH HOUSE	520			15	10	W	1			2				2	
10/12/94	718	R	AMERICAN KESTREL	FASP1	BZ	BW01R			17	L	1		2	DECIDUOUS WOODLAND	110			14	3	NW	1			1	1			1	
10/26/94	1021	R	AMERICAN KESTREL	FASP1	BZ	RW02B			4	N	0		2	POWERLINE	510			19	10	W				1	1			1	
10/27/94	800	R	AMERICAN KESTREL	FASP1	BZ	DX01B			11	S	1		2	MESIC MIXED GRASSLAND	322			14	20	W	7			1				1	
10/28/94	1012	R	AMERICAN KESTREL	FASP1	BZ		OU5		7	I	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1	1			1	
11/17/94	1510	R	AMERICAN KESTREL	FASP1	BZ	RG01A			8	N	5		2	RECLAIMED MIXED GRASSLAND	324			0	15	W	3			1				1	
11/22/94	958	R	AMERICAN KESTREL	FASP1	BZ		OU6		11	M	0		2	MESIC MIXED GRASSLAND	322	TALL MARSH	30							1				1	
11/22/94	1205	R	AMERICAN KESTREL	FASP1	BZ	POND A-4	OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322			2	10	SE	1			2				2	
11/23/94	1142	R	AMERICAN KESTREL	FASP1	BZ				1	G	0		2	MESIC MIXED GRASSLAND	322									1				1	
11/28/94	1301	R	AMERICAN KESTREL	FASP1	BZ				6	U	5		2	MESIC MIXED GRASSLAND	322	BOTTOMLAND SHRUBLAND	210							1				1	
11/28/94	948	R	AMERICAN KESTREL	FASP1	BZ				5	T	5		2	MESIC MIXED GRASSLAND	322									1				1	
12/07/94	950	R	AMERICAN KESTREL	FASP1	EA						5		2	MESIC MIXED GRASSLAND	322									1				1	

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12/07/94	1002	R	AMERICAN KESTREL	FASP1	EA						0		2	POWER POLE	510	GRAZED DOWN PASTURE	325								1				
12/07/94	951	R	AMERICAN KESTREL	FASP1	BZ		QU2		9 N		0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322								1				
12/09/94	1255	R	AMERICAN KESTREL	FASP1	BZ				11 K		5		2	MESIC MIXED GRASSLAND	322										1				
12/12/94	845	R	AMERICAN KESTREL	FASP1	IA		QU4		10 L		0		2	SMOKESTACK	520										1				
12/14/94	1518	R	AMERICAN KESTREL	FASP1	BZ				11 U		0		2	POWERLINE	510	MESIC MIXED GRASSLAND	322								1				
12/19/94	1529	R	AMERICAN KESTREL	FASP1	BZ	RG011A	QU5		7 H		1		2	RECLAIMED MIXED GRASSLAND	324			5	40	NW					1	1			
12/22/94	1301	R	AMERICAN KESTREL	FASP1	BZ				2 J		5		2	MESIC MIXED GRASSLAND	322										1				
01/14/94	1430	R	BALD EAGLE	HALE1	BZ				15 D		1		2	MESIC MIXED GRASSLAND	322				7	30	W				1			1	
01/14/94	1455	R	BALD EAGLE	HALE1	EA		STANDLEY SNAG				0		2	COTTONWOOD TREE	110	OPEN SHALLOW WATER		54							1				
10/10/94	1610	R	BALD EAGLE	HALE1	EA		100TH/NEST				0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				
10/13/94	750	R	BALD EAGLE	HALE1	EA		ALKIRE/SNAG				0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER		54							1				
10/13/94	750	R	BALD EAGLE	HALE1	EA		100TH/NEST				0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				
10/27/94	1515	R	BALD EAGLE	HALE1	EA		HWY 93/LEYDEN				1		2	MESIC MIXED GRASSLAND	322										1				
11/14/94	900	R	BALD EAGLE	HALE1	OZ	BG02A			7 L		1		2	MESIC MIXED GRASSLAND	322	BUILDINGS	520	-1	0	0		8			1				
11/16/94	825	R	BALD EAGLE	HALE1	EA		100TH/NEST				0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				
11/23/94	1525	R	BALD EAGLE	HALE1	BZ		QU6		11 N		1		2	MESIC MIXED GRASSLAND	322										1			1	
11/28/94	750	R	BALD EAGLE	HALE1	BZ				10 Q		1		2	MESIC MIXED GRASSLAND	322										1				
12/05/94	1625	R	BALD EAGLE	HALE1	EA		HWY 93/LEYDEN				1		2	MESIC MIXED GRASSLAND	322										1				
12/05/94	814	R	BALD EAGLE	HALE1	BZ				15 J		1		2	MESIC MIXED GRASSLAND	322										1				1
12/07/94	957	R	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				
12/07/94	1216	R	BALD EAGLE	HALE1	EA						1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				1
12/07/94	1210	R	BALD EAGLE	HALE1	EA						0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54								2				
12/09/94	1435	R	BALD EAGLE	HALE1	BZ		QU6		11 N		1		2	MESIC MIXED GRASSLAND	322										1				1
12/14/94	1443	R	BALD EAGLE	HALE1	EA						5	0	2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54								1				
12/14/94	1456	R	BALD EAGLE	HALE1	EA						5	0	2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54								1				
12/14/94	710	R	BALD EAGLE	HALE1	BZ	BG01R			15 O		1		2	MESIC MIXED GRASSLAND	322			-3	15	W				1				1	
12/20/94	1421	R	BALD EAGLE	HALE1	BZ	RA04B			2 T		1		2	RECLAIMED MIXED GRASSLAND	324			14	15	NW				1					
05/02/94	850	R	BURROWING OWL	ATCU1	BZ	RG03B			2 M		1		2	MESIC MIXED GRASSLAND	322			12	5	E				1					
05/05/94	1015	R	BURROWING OWL	ATCU1	BZ				1 S		0		2	MESIC MIXED GRASSLAND	322										1				
08/00/94	1600	R	BURROWING OWL	ATCU1	EA		JEFFCO QS				0		2	MESIC MIXED GRASSLAND	322										2				
01/14/94	1450	R	FERRUGINOUS HAWK	BURE1	EA		ALKIRE/100TH				0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322		7	30	W				1				
01/14/94	1500	R	FERRUGINOUS HAWK	BURE1	EA		ALKIRE				0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322		7	30	W				1				
01/14/94	1520	R	FERRUGINOUS HAWK	BURE1	EA		COALTON/GUNCLUB				0		2	MESIC MIXED GRASSLAND	322				7	30	W				1				
02/18/94	1349	R	FERRUGINOUS HAWK	BURE1	BZ	RW01B			14 T		1		2	MESIC MIXED GRASSLAND	322			5	10	SW				7					
03/18/94	1300	R	FERRUGINOUS HAWK	BURE1	EA		INDIANA/96TH				5		2	MESIC MIXED GRASSLAND	322										1				
03/22/94	752	R	FERRUGINOUS HAWK	BURE1	BZ	RA01B			5 I		5		2	TALL MARSH	30			17	10	SW				1					
03/30/94	935	R	FERRUGINOUS HAWK	BURE1	BZ	RW02B			5 P		0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322		10	5	SW				1				
08/09/94	730	R	FERRUGINOUS HAWK	BURE1	BZ				5 P		1		2	ROADSIDE/FENCEROW	540										1				
09/20/94	730	R	FERRUGINOUS HAWK	BURE1	BZ	BS01B			14 H		1		2	TALL UPLAND SHRUBLAND	230				13	10	N		8		1				
10/04/94	1500	R	FERRUGINOUS HAWK	BURE1	EA		96TH/INDIANA				5		2	MESIC MIXED GRASSLAND	322										1				
10/13/94	850	R	FERRUGINOUS HAWK	BURE1	EA		100TH/NEST				0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								2				
10/13/94	906	R	FERRUGINOUS HAWK	BURE1	EA		96TH/ALKIRE				0		2	MESIC MIXED GRASSLAND	322										1				
11/16/94	825	R	FERRUGINOUS HAWK	BURE1	EA		SIMMS/100TH				0		2	STRUCTURE (STREETLIGHT)	520	ROADSIDE	540								1				
11/28/94	1252	R	FERRUGINOUS HAWK	BURE1	EA		96TH/ALKIRE				5		2	SHORT MARSH	20										1				
11/28/94	1242	R	FERRUGINOUS HAWK	BURE1	EA		SIMMS/WAL CK				5		2	MESIC MIXED GRASSLAND	322										2				
11/28/94	1247	R	FERRUGINOUS HAWK	BURE1	EA		100TH/NEST				5		2	MESIC MIXED GRASSLAND	322										1				
12/07/94	1201	R	FERRUGINOUS HAWK	BURE1	EA						1	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				

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DATE	TIME	TAX	SPECIES	SPEC CODE	ADMA AREA NAME	SITE	OP UNIT	ROADNAME	RF GRID N	RF GRID E	RF GRID VTY 1	ACTI VTY 2	ACTI VTY 1	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	WIND CVR	CLD CVR	GRND COND	GRP SIZE	GRP NO.	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS		
12/07/94	1201 R	GRP	FERRUGINOUS HAWK	BURE1 EA											2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322														
12/14/94	1509 R		FERRUGINOUS HAWK	BURE1 EA											2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322														
12/14/94	1502 R		FERRUGINOUS HAWK	BURE1 EA											2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322														
12/14/94	1443 R		FERRUGINOUS HAWK	BURE1 EA											2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322														
12/14/94	1509 R		FERRUGINOUS HAWK	BURE1 EA											2 POWER TOWER	510	MESIC MIXED GRASSLAND	322														
12/20/94	1008 R		FERRUGINOUS HAWK	BURE1 BZ					13 G						2 SHORT MATSH	20	MESIC MIXED GRASSLAND	322														
01/25/94	959 R		GOLDEN EAGLE	AOCH1 BZ					5 P						2 POWER POLE	323	MESIC MIXED GRASSLAND	322														
01/25/94	750 R		GOLDEN EAGLE	AOCH1 BZ					11 R						2 XERIC MIXED GRASSLAND	324	MESIC MIXED GRASSLAND	322														
01/25/94	1135 R		GOLDEN EAGLE	AOCH1 BZ					14 M						2 XERIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
02/01/94	1511 R		GOLDEN EAGLE	AOCH1 BZ					11 P						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
02/18/94	1329 R		GOLDEN EAGLE	AOCH1 BZ					12 S						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
02/21/94	1155 R		GOLDEN EAGLE	AOCH1 BZ					2 T						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
02/21/94	1218 R		GOLDEN EAGLE	AOCH1 BZ					5 R						2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322														
03/04/94	808 R		GOLDEN EAGLE	AOCH1 BZ					2 T						2 DAM STRUCTURE	520	MESIC MIXED GRASSLAND	322														
03/04/94	1115 R		GOLDEN EAGLE	AOCH1 BZ					13 O						2 POWER TOWER	510	MESIC MIXED GRASSLAND	322														
03/18/94	1245 R		GOLDEN EAGLE	AOCH1 EA					7 R						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
03/18/94	1408 R		GOLDEN EAGLE	AOCH1 BZ					9 K						2 BUILDINGS STRUCTURES	520	MESIC MIXED GRASSLAND	322														
03/18/94	1600 R		GOLDEN EAGLE	AOCH1 EA					16 O						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
04/13/94	825 R		GOLDEN EAGLE	AOCH1 BZ					2 K						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
05/02/94	940 R		GOLDEN EAGLE	AOCH1 BZ					1 R						2 MESIC MIXED GRASSLAND	324	MESIC MIXED GRASSLAND	322														
05/03/94	1500 R		GOLDEN EAGLE	AOCH1 BZ					3 U						2 RECLAIMED MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
05/03/94	830 R		GOLDEN EAGLE	AOCH1 BZ					8 M						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
05/04/94	746 R		GOLDEN EAGLE	AOCH1 BZ					15 P						2 POWER TOWER	510	MESIC MIXED GRASSLAND	322														
05/17/94	915 R		GOLDEN EAGLE	AOCH1 BZ					2 O						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
05/20/94	814 R		GOLDEN EAGLE	AOCH1 BZ					2 N						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
05/26/94	851 R		GOLDEN EAGLE	AOCH1 BZ					5 O						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
05/26/94	1225 R		GOLDEN EAGLE	AOCH1 BZ					11 N						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
06/01/94	1442 R		GOLDEN EAGLE	AOCH1 BZ					2 N						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
06/01/94	1335 R		GOLDEN EAGLE	AOCH1 BZ					1 G						2 POWER POLE	510	MESIC MIXED GRASSLAND	322														
06/06/94	750 R		GOLDEN EAGLE	AOCH1 BZ					14						2 FALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322														
06/06/94	700 R		GOLDEN EAGLE	AOCH1 BZ					11 S						2 XERIC MIXED GRASSLAND	323	MESIC MIXED GRASSLAND	322														
06/09/94			GOLDEN EAGLE	AOCH1 BZ					2 K						2 XERIC MIXED GRASSLAND	500	MESIC MIXED GRASSLAND	322														
06/16/94	1506 R		GOLDEN EAGLE	AOCH1 BZ					2 F						2 FENCE ROW	322	MESIC MIXED GRASSLAND	322														
06/16/94			GOLDEN EAGLE	AOCH1 EA					15 S						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
06/20/94	1100 R		GOLDEN EAGLE	AOCH1 EA					2 F						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
06/22/94	910 R		GOLDEN EAGLE	AOCH1 BZ					1 T						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
06/27/94	951 R		GOLDEN EAGLE	AOCH1 BZ					1 T						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
07/18/94	1500 R		GOLDEN EAGLE	AOCH1 EA					4 M						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
08/15/94	1040 R		GOLDEN EAGLE	AOCH1 BZ					5						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
10/04/94	1535 R		GOLDEN EAGLE	AOCH1 EA					5						2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322														
10/12/94	1225 R		GOLDEN EAGLE	AOCH1 EA					5						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
10/13/94	925 R		GOLDEN EAGLE	AOCH1 EA					15 P						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
10/25/94	064 R		GOLDEN EAGLE	AOCH1 BZ					13 K						2 OPEN SHALLOW WATER	54	MESIC MIXED GRASSLAND	322														
10/28/94	927 R		GOLDEN EAGLE	AOCH1 BZ					13 K						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
10/28/94	734 R		GOLDEN EAGLE	AOCH1 BZ					13 K						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														
11/16/94	825 R		GOLDEN EAGLE	AOCH1 EA					5						2 MESIC MIXED GRASSLAND	322	MESIC MIXED GRASSLAND	322														

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS	
06/28/94		R	GREAT HORNED OWL	BUV11	BZ	BW01B			13	S	0			2 DECIDUOUS WOODLAND	110			24	10	E	0				1			1	
07/12/94	845	R	GREAT HORNED OWL	BUV11	BZ	BW01B			13	T	0			2 COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	22	5	NW	6				1			1	
07/12/94	840	R	GREAT HORNED OWL	BUV11	BZ	BW01B			13	T	0			2 DECIDUOUS WOODLAND	110			22	5	NW	6				1			1	
07/14/94	1000	R	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	1			2 PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	16	5	NE	8				1			1	
07/14/94	1000	R	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	0			2 COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	16	3	NE	8				1			1	
07/26/94	1509	R	GREAT HORNED OWL	BUV11	BZ	RW01B	OU6		13	U	0			2 DECIDUOUS WOODLAND	110			25	5	E	4				1			1	
07/29/94	1050	R	GREAT HORNED OWL	BUV11	BZ				13	G	0			2 LINDSAY BARN	520											1			1
07/29/94	957	R	GREAT HORNED OWL	BUV11	BZ	RA01B			13	G	0			2 LINDSAY BARN	520			27	10	E	2				1			1	
08/09/94	2210	R	GREAT HORNED OWL	BUV11	BZ				14	H	0	1		4 COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	20	10	NW					1			1	
08/16/94		R	GREAT HORNED OWL	BUV11	BZ				4	N	1			4 DECIDUOUS WOODLAND	110			23	10	W	8	2			1			1	
08/16/94		R	GREAT HORNED OWL	BUV11	BZ				13	P	5	1		4 POWER POLE	510	MESIC MIXED GRASSLAND	322	23	10	W	8	2			1			1	
08/17/94	1950	R	GREAT HORNED OWL	BUV11	BZ				13	H	0	1		3 APPLE TREE	130	TALL MARSH	30	26	2	SW					1			1	
08/22/94	1130	R	GREAT HORNED OWL	BUV11	BZ	RW01B			13	S	0			2 DECIDUOUS WOODLAND	110			26	5	E	2				1			1	
09/07/94	1115	R	GREAT HORNED OWL	BUV11	BZ				13	G	0			2 LINDSAY BARN	520										2			2	
09/13/94	935	R	GREAT HORNED OWL	BUV11	BZ	RS03B			5	R	0			2 DECIDUOUS WOODLAND	110			20	0		6				1			1	
09/13/94	830	R	GREAT HORNED OWL	BUV11	BZ	BD02B			4	U	0			2 RECLAIMED MIXED GRASSLAND	324			20	0		6				1			1	
09/13/94	850	R	GREAT HORNED OWL	BUV11	BZ	BS03B			5	S	0			2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	20	0		6				1			1	
09/19/94	910	R	GREAT HORNED OWL	BUV11	BZ	BA01R			11	E	0			2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	17	5	W	8				1			1	
09/19/94	955	R	GREAT HORNED OWL	BUV11	BZ	RA01B			11	E	0			2 SHORT MARSH	20			17	5	W	8				1			1	
09/22/94	1138	R	GREAT HORNED OWL	BUV11	BZ	RW01A			7	N	0			2 DECIDUOUS WOODLAND	110			8	10	SE	1				1			1	
10/14/94	745	R	GREAT HORNED OWL	BUV11	BZ	BS01B			14	G	0			2 TALL UPLAND SHRUBLAND	230			9	3	SW	0				1			1	
10/19/94	725	R	GREAT HORNED OWL	BUV11	BZ	RA01B			11	E	0			2 COTTONWOOD TREE	110			1	5	W	1				1			1	
10/25/94	905	R	GREAT HORNED OWL	BUV11	BZ	RW01B			13	T	0			2 DECIDUOUS WOODLAND	110			18	0						1			1	
10/28/94	836	R	GREAT HORNED OWL	BUV11	BZ				15		0			2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1			1	
11/08/94	803	R	GREAT HORNED OWL	BUV11	BZ	LINDSAY			13	G	0			2 LINDSAY BARN	520			3	5	NE		5			1			1	
11/14/94	1256	R	GREAT HORNED OWL	BUV11	BZ	RA02B	OU6		11	M	0			2 DECIDUOUS WOODLAND	110			2	3	E	8		6		2			2	
11/21/94	1253	R	GREAT HORNED OWL	BUV11	BZ	RW01A			7	M	0			2 DECIDUOUS WOODLAND	110			0	5	S	4				1			1	
11/21/94	1303	R	GREAT HORNED OWL	BUV11	BZ	RW01A			7	N	0			2 DECIDUOUS WOODLAND	110			0	5	S	4				1			1	
11/22/94	008	R	GREAT HORNED OWL	BUV11	BZ	BW01B			13	T	0			2 DECIDUOUS WOODLAND	110			-1	5	E	1				1			1	
11/22/94	1218	R	GREAT HORNED OWL	BUV11	BZ	RW01B	OU6		13	U	0			2 DECIDUOUS WOODLAND	110			2	10	SE	1				1			1	
11/22/94	908	R	GREAT HORNED OWL	BUV11	BZ	BW01B			13	S	0			2 DECIDUOUS WOODLAND	110			-1	5	E	1				2			2	
11/28/94	1123	R	GREAT HORNED OWL	BUV11	BZ				13	G	0			2 LINDSAY BARN	520										1			1	
12/13/94	800	R	GREAT HORNED OWL	BUV11	BZ	BW01B			13	S	0			2 DECIDUOUS WOODLAND	110			-2	0						1			1	
12/15/94	826	R	GREAT HORNED OWL	BUV11	BZ	BS03B			5	S	0			2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	0	3	W	1				1			1	
12/19/94	1445	R	GREAT HORNED OWL	BUV11	BZ	RW01A			7	N	0			2 DECIDUOUS WOODLAND	110			6	40	W					2			2	
12/20/94	850	R	GREAT HORNED OWL	BUV11	BZ	BW01A			13	T	0			2 DECIDUOUS WOODLAND	110			8	15	W					1			1	
12/20/94	850	R	GREAT HORNED OWL	BUV11	BZ	BW01A	OU6		13	U	0			2 DECIDUOUS WOODLAND	110			8	15	W					1			1	
12/22/94	1428	R	GREAT HORNED OWL	BUV11	BZ				17	L	0			2 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1			1	
00/21/94	1018	R	LONG-EARED OWL	ASOT1	BZ	RS01B			14	G	0			2 DECIDUOUS WOODLAND	110			23	5	W	2				1			1	
08/16/94		R	LONG-EARED OWL	ASOT1	BZ				17	J	0			4 DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	23	10	W	8	2			1			1	
09/06/94	1623	R	LONG-EARED OWL	ASOT1	BZ				15	J	0			2 TALL UPLAND SHRUBLAND	230										3			3	
02/02/94	935	R	MERLIN	FAC01	BZ	BA01R			11	E	0			2 ROADSIDE/FENCEROW	540			-2	30	NW	0				1			1	
05/11/94		R	MERLIN	FAC01	BZ	BG01B			4	G	1			2 MESIC MIXED GRASSLAND	322			16	5	NW					1			1	
03/22/94	821	R	NORTHERN HARRIER	CICY1	BZ	RA01B			6	K	5			2 MESIC MIXED GRASSLAND	322			17	10	SW	1				1			1	
04/13/94	915	R	NORTHERN HARRIER	CICY1	BZ	BW01B			13	S	1			2 DECIDUOUS WOODLAND	110			15	30	NW	0				1			1	
07/19/94	635	R	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	5			2 MESIC MIXED GRASSLAND	322			25	0	0	1				1			1	
07/10/94	630	R	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	5			2 MESIC MIXED GRASSLAND	322			25	0		1				1			1	

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08/09/94	730	R	NORTHERN HARRIER	CICY1	DZ				5	P	5		2	MESIC MIXED GRASSLAND	322															
08/15/94	1040	R	NORTHERN HARRIER	CICY1	DZ				4	M	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322													
08/15/94	835	R	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	5		2	MESIC MIXED GRASSLAND	322			23	3	SE	0				1	1				
08/23/94	715	R	NORTHERN HARRIER	CICY1	BZ	POND C-2	OU5		7	P	5		2	TALL MARSH	30															
08/24/94	746	R	NORTHERN HARRIER	CICY1	BZ	RA02B	OU6		11	N	5		2	MESIC MIXED GRASSLAND	322			23	0			3			1					
08/31/94	1006	R	NORTHERN HARRIER	CICY1	DZ	RS01B			14	G	5		2	TALL UPLAND SHRUBLAND	230			16	10	N		7			1					
09/12/94	950	R	NORTHERN HARRIER	CICY1	BZ	BA01B			6	J	5		2	SHORT MARSH	20			25	5	SE		3			1					
09/12/94	1026	R	NORTHERN HARRIER	CICY1	BZ	RA03B			6	J	5		2	TALL MARSH	30			25	5	SE		3			1					
09/20/94	845	R	NORTHERN HARRIER	CICY1	BZ	RS01B			15	G	5		2	TALL UPLAND SHRUBLAND	230			13	5	N		8			1					
09/21/94	1609	R	NORTHERN HARRIER	CICY1	BZ	RA02B	OU6		10	O	5		2	MESIC MIXED GRASSLAND	322			12	10	N		8			1					
10/05/94	1508	R	NORTHERN HARRIER	CICY1	DZ	RA02B	OU6		12	O	5		2	MUDFLAT	93			19	10	S		8			1					
10/10/94	800	R	NORTHERN HARRIER	CICY1	BZ	BS02B			14	H	1		2	TALL UPLAND SHRUBLAND	230			8	0						1					
10/10/94	915	R	NORTHERN HARRIER	CICY1	BZ	BX02R			14	I	1		2	XERIC MIXED GRASSLAND	323			17	0						1					
10/12/94	840	R	NORTHERN HARRIER	CICY1	BZ	BA01R			13	G	5		2	SHORT MARSH	20			15	10	W		1			1					
10/14/94	700	R	NORTHERN HARRIER	CICY1	DZ				13	H	5		2	MESIC MIXED GRASSLAND	322										1					
10/20/94	809	R	NORTHERN HARRIER	CICY1	DZ	RS02B			14	I	5		2	SHORT MARSH	20			9	10	E					1					
10/27/94	800	R	NORTHERN HARRIER	CICY1	BZ	BX01B			12	S	1		2	MESIC MIXED GRASSLAND	322			14	20	W		7			1					
10/28/94	734	R	NORTHERN HARRIER	CICY1	BZ				10	H	5		2	BOTTOMLAND SHRUBLAND	210										1					
11/17/94	820	R	NORTHERN HARRIER	CICY1	DZ	BA01B			6	K	5		2	MESIC MIXED GRASSLAND	322			1	30			4			1					
11/21/94	720	R	NORTHERN HARRIER	CICY1	BZ	BS02B			14	J	1		2	TALL UPLAND SHRUBLAND	230			-6	5	SE					1					
11/28/94	1043	R	NORTHERN HARRIER	CICY1	BZ				6	I	5		2	SHORT MARSH	20										1					
11/28/94	1104	R	NORTHERN HARRIER	CICY1	BZ				10	Q	5		2	MESIC MIXED GRASSLAND	322										1					
12/06/94	1010	R	NORTHERN HARRIER	CICY1	BZ				8	P	5		2	SHORT MARSH	20										1					
12/06/94	1019	R	NORTHERN HARRIER	CICY1	BZ				8	P	5		2	TALL MARSH	30	MESIC MIXED GRASSLAND	322								1					
12/13/94	754	R	NORTHERN HARRIER	CICY1	BZ	BS01B			13	F	1		2	TALL UPLAND SHRUBLAND	230			-2	0			1			1					
12/21/94	930	R	NORTHERN HARRIER	CICY1	DZ	RA03B			6	J	1		2	MESIC MIXED GRASSLAND	322			14	0						1					
12/22/94	1358	R	NORTHERN HARRIER	CICY1	DZ				13	H	5		2	MESIC MIXED GRASSLAND	322										1					
04/21/94	1119	R	PEREGRINE FALCON	FAPE1	BZ				4	L	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1					
05/04/94	1105	R	PEREGRINE FALCON	FAPE1	BZ	RW01A	OU5		7	P	5		2	BOTTOMLAND SHRUBLAND	210	MESIC MIXED GRASSLAND	322		10	5	S	4			1					
12/05/94	751	R	PEREGRINE FALCON	FAPE1	BZ				13	P	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322													
03/04/94	1030	R	PRAIRIE FALCON	FAME1	BZ				11	G	5		2	MESIC MIXED GRASSLAND	322			10				0		0	1					
01/14/94	1513	R	RED-TAILED HAWK	BUJA1	EA			COALTON/H RANCH			0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322		7	30	W				1					
01/14/94	1520	R	RED-TAILED HAWK	BUJA1	EA			COALTON/GUNCLUB			5		2	MESIC MIXED GRASSLAND	322			7	30	W					2					
01/14/94	1530	R	RED-TAILED HAWK	BUJA1	EA			COALTON/MCCASL			5		2	MESIC MIXED GRASSLAND	322			7	30	W					1					
02/01/94	1343	R	RED-TAILED HAWK	BUJA1	BZ	RW03A	OU5		7	I	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322		2	10	E				1					
02/01/94	1500	R	RED-TAILED HAWK	BUJA1	BZ	RW01A			7	O	1		2	DECIDUOUS WOODLAND	110			2	10	SE					1					
02/01/94	1511	R	RED-TAILED HAWK	BUJA1	BZ	RA02B	OU6		11	P	1		2	MESIC MIXED GRASSLAND	322			1	15	NE					1					
02/03/94	1355	R	RED-TAILED HAWK	BUJA1	BZ				6	C	1		2	DISTURBED/BARREN LANDS	420			8	20	NW		2			1					
02/21/94	1245	R	RED-TAILED HAWK	BUJA1	BZ	RS03B			7	O	0		2	DECIDUOUS WOODLAND	110			0	15	NW		8			1					
02/22/94	1405	R	RED-TAILED HAWK	BUJA1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230			-1	5	E		8			1					
02/25/94	1450	R	RED-TAILED HAWK	BUJA1	BZ				6	F	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322													
02/28/94	1023	R	RED-TAILED HAWK	BUJA1	BZ	RW02B			4	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322		8	5	W	7			1					
02/28/94	1125	R	RED-TAILED HAWK	BUJA1	BZ	RG03B			5	P	5		2	MESIC MIXED GRASSLAND	322			5	10	SW		7			1					
02/28/94	920	R	RED-TAILED HAWK	BUJA1	BZ	RA03B			7	K	0		2	DECIDUOUS WOODLAND	110			8	0			7			1					
03/04/94	830	R	RED-TAILED HAWK	BUJA1	BZ				4	N	0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322								0	2				
03/04/94	1315	R	RED-TAILED HAWK	BUJA1	BZ		OU5		7	J	5		2	MESIC MIXED GRASSLAND	322			10				0			0	1				
03/04/94	1115	R	RED-TAILED HAWK	BUJA1	BZ		OU6		12	P	5		2	MESIC MIXED GRASSLAND	322			10				0			0	1				

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03/04/94	659	R	RED-TAILED HAWK	BUJA1	BZ				17	K	0	0	2	DECIDUOUS WOODLAND	110			10			0			0	1				1	
03/16/94	1526	R	RED-TAILED HAWK	BUJA1	BZ		OU11		8	E	1		2	MESIC MIXED GRASSLAND	322			21	5	SE	5				1				1	
03/16/94	1511	R	RED-TAILED HAWK	BUJA1	BZ		OU11		9	F	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	21	5	SE	5				1				1	
03/18/94	1247	R	RED-TAILED HAWK	BUJA1	EA			INDIANA HWY 128			0		2	POWER TOWER	510	MESIC MIXED GRASSLAND	322								1				1	
03/18/94	1405	R	RED-TAILED HAWK	BUJA1	BZ				7	O	5		2	DECIDUOUS WOODLAND	110										2				2	
03/18/94	1400	R	RED-TAILED HAWK	BUJA1	BZ	POND B-5	OU6		11	Q	5		2	MESIC MIXED GRASSLAND	322	OPEN SHALLOW WATER		54						1					1	
03/18/94	1534	R	RED-TAILED HAWK	BUJA1	BZ				15	G	5		2	MESIC MIXED GRASSLAND	322	SHORT MARSH		20						1					1	
03/18/94	1537	R	RED-TAILED HAWK	BUJA1	BZ				17	L	0		2	DECIDUOUS WOODLAND	110										1				1	
03/21/94	1451	R	RED-TAILED HAWK	BUJA1	BZ	RW03B	OU5		7	G	0		2	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	18	25	W				1					1	
03/21/94	1528	R	RED-TAILED HAWK	BUJA1	BZ	RG02A	OU5		7	I	1		2	MESIC MIXED GRASSLAND	322			18	25	W				1					1	
03/25/94	810	R	RED-TAILED HAWK	BUJA1	BZ	BW01R			16	J	0		2	DECIDUOUS WOODLAND	110			5	5	E	1			2					2	
04/13/94	730	R	RED-TAILED HAWK	BUJA1	BZ	BW01R			7	L	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	12	20	W	0			1					1	
04/28/94	700	R	RED-TAILED HAWK	BUJA1	BZ				6	R	0		2	DECIDUOUS WOODLAND	110										1					1
05/02/94	1245	R	RED-TAILED HAWK	BUJA1	BZ	RW02B			5	O	1		2	MESIC MIXED GRASSLAND	322			13	5	E	8			1					1	
05/03/94	715	R	RED-TAILED HAWK	BUJA1	BZ				3	S	5		2	RECLAIMED MIXED GRASSLAND	324	SHORT MARSH		20						1					1	
05/04/94	1430	R	RED-TAILED HAWK	BUJA1	BZ		OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322										1				1	
05/04/94	1015	R	RED-TAILED HAWK	BUJA1	BZ	POND A-4	OU6		12	Q	5		2	MESIC MIXED GRASSLAND	322										1				1	
05/11/94		R	RED-TAILED HAWK	BUJA1	BZ	BG01B			5	G	1		2	MESIC MIXED GRASSLAND	322			16	5	NW				2	1				1	
05/13/94	1401	R	RED-TAILED HAWK	BUJA1	BZ	RG02A	OU5		7	J	1		2	MESIC MIXED GRASSLAND	322			13	5	W	7			1					1	
05/16/94		R	RED-TAILED HAWK	BUJA1	BZ	BG02A			7	L	1		2	MESIC MIXED GRASSLAND	322			22	3	NE	1			1					1	
05/16/94	735	R	RED-TAILED HAWK	BUJA1	BZ	BW01R			16	J	0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	18	3	SE				1	1					1
05/20/94	1031	R	RED-TAILED HAWK	BUJA1	EA			96TH WALKIRE			5		2	MESIC MIXED GRASSLAND	322										1				1	
05/20/94	1059	R	RED-TAILED HAWK	BUJA1	BZ				7	B	5		2	MESIC MIXED GRASSLAND	322										1				1	
05/20/94	929	R	RED-TAILED HAWK	BUJA1	BZ		OU6&7		12	K	5		2	DISTURBED/BARREN LANDS	420										1				1	
05/20/94	858	R	RED-TAILED HAWK	BUJA1	BZ				17	I	5		2	MESIC MIXED GRASSLAND	322										1				1	
05/23/94	632	R	RED-TAILED HAWK	BUJA1	BZ	RG01A	OU1		8	M	1		2	RECLAIMED MIXED GRASSLAND	324			15	0					1					1	
05/24/94	1120	R	RED-TAILED HAWK	BUJA1	BZ				5	U	5		2	MESIC MIXED GRASSLAND	322										1				1	
06/01/94	1500	R	RED-TAILED HAWK	BUJA1	BZ		OU5		7	P	5		2	MESIC MIXED GRASSLAND	322										1				1	
06/08/94		R	RED-TAILED HAWK	BUJA1	BZ	BG02B	OU11		9	D	1		2	MESIC MIXED GRASSLAND	322			20	10	E					1				1	
06/08/94		R	RED-TAILED HAWK	BUJA1	BZ	BW01R			17	K	0		2	DECIDUOUS WOODLAND	110			19	5		0				2				2	
06/08/94	710	R	RED-TAILED HAWK	BUJA1	BZ				16	K	0		2	DECIDUOUS WOODLAND	110										2				2	
06/09/94	915	R	RED-TAILED HAWK	BUJA1	BZ	B503B			5	R	0		2	DECIDUOUS WOODLAND	110			16	5	SE	0				1				1	
06/09/94		R	RED-TAILED HAWK	BUJA1	BZ	BW01A	OU5		7	J	1		2	DECIDUOUS WOODLAND	110			13							1				1	
06/13/94	1340	R	RED-TAILED HAWK	BUJA1	BZ				11	E	5		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322								1				1	
06/13/94	920	R	RED-TAILED HAWK	BUJA1	BZ	DA01R			11	F	5		2	MESIC MIXED GRASSLAND	322			37	5	NE	2				1				1	
06/14/94	740	R	RED-TAILED HAWK	BUJA1	BZ	BW01R			15	I	5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	25	15	NW	7				1				1	
06/14/94		R	RED-TAILED HAWK	BUJA1	BZ	B502B			14	J	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	24	10	W	6				1				1	
06/16/94	1547	R	RED-TAILED HAWK	BUJA1	BZ	RG03B			4	P	1		2	MESIC MIXED GRASSLAND	322			23	5	S	1			2					2	
06/16/94	1314	R	RED-TAILED HAWK	BUJA1	BZ	RW02D			5	P	1		2	DECIDUOUS WOODLAND	110			21	5	SW	2				2				2	
06/20/94	1100	R	RED-TAILED HAWK	BUJA1	EA			INDIANA W WEST			5		2	MESIC MIXED GRASSLAND	322										1				1	
06/21/94	859	R	RED-TAILED HAWK	BUJA1	BZ	RS01B			14	E	1		2	MESIC MIXED GRASSLAND	323			23	5	W	2				1				1	
06/23/94	747	R	RED-TAILED HAWK	BUJA1	BZ		OU1		8	L	5		2	MESIC MIXED GRASSLAND	322	DISTURBED/BARREN LANDS	420								1				1	
06/23/94		R	RED-TAILED HAWK	BUJA1	BZ	BW01R			16	K	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	19	10	SE	1				1				1	
06/24/94		R	RED-TAILED HAWK	BUJA1	BZ	DD01B			8	C	1		2	MESIC MIXED GRASSLAND	322	DISTURBED/BARREN LANDS	420	25	5						1				1	
06/28/94	730	R	RED-TAILED HAWK	BUJA1	BZ	BW01R			15	I	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	24	0		0				1				1	
07/12/94	930	R	RED-TAILED HAWK	BUJA1	BZ	BG01R			13	R	5		2	MESIC MIXED GRASSLAND	322			25	5	SE	4				1				1	
07/12/94	930	R	RED-TAILED HAWK	BUJA1	BZ				13	S	5		2	MESIC MIXED GRASSLAND	322			25	5	SE	4				1				1	

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07/14/94	1000	R	RED-TAILED HAWK	DUJA1	BZ	0A01R			11	E	1	0	2	PONDEROSA WOODLAND	120	MESIC MIXED GRASSLAND	322	16	5	NE	8			1			
07/14/94	1000	R	RED-TAILED HAWK	DUJA1	BZ	0A01R			11	E	0	0	2	FENCE POST	560	MESIC MIXED GRASSLAND	322	16	3	NE	8			1			
07/19/94	830	R	RED-TAILED HAWK	DUJA1	BZ	0X01R			13	F	5	5	2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230	23	25	E	3			1			
07/19/94	830	R	RED-TAILED HAWK	DUJA1	BZ	0X01R			14	H	1	1	2	MESIC MIXED GRASSLAND	322			23	25	E	3			1			
07/26/94	1451	R	RED-TAILED HAWK	DUJA1	BZ	RW01B			13	R	1	1	2	DECIDUOUS WOODLAND	110			25	5	E	4			1			
07/26/94	1330	R	RED-TAILED HAWK	DUJA1	BZ	RS02B			16	L	1	1	2	MESIC MIXED GRASSLAND	322			26	15	NE	6			1			
08/05/94	1105	R	RED-TAILED HAWK	DUJA1	BZ	BS02B			14	J	1	1	2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322							2			
08/05/94	935	R	RED-TAILED HAWK	DUJA1	BZ				16	K	0	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
08/09/94	1955	R	RED-TAILED HAWK	DUJA1	BZ				5	Q	0	0	4	COTTONWOOD TREE	110	MESIC MIXED GRASSLAND	322	20	10	NW				1			
08/19/94	835	R	RED-TAILED HAWK	DUJA1	BZ	BW01R			17	L	1	1	2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	20	3	NE	8			1			
08/23/94	910	R	RED-TAILED HAWK	DUJA1	BZ				2	K	5	5	2	MESIC MIXED GRASSLAND	322									1			
08/31/94	1007	R	RED-TAILED HAWK	DUJA1	BZ	RS01B			14	G	5	5	2	MESIC MIXED GRASSLAND	322			16	10	N	7			1			
09/19/94	1015	R	RED-TAILED HAWK	DUJA1	BZ	0X01L			11	F	1	1	2	XERIC MIXED GRASSLAND	323			18	15	NE	7			1			
09/20/94	1350	R	RED-TAILED HAWK	DUJA1	BZ	RG02B			16	O	5	5	2	XERIC MIXED GRASSLAND	323			23	5	E	3			1			
09/20/94	715	R	RED-TAILED HAWK	DUJA1	BZ	BW01R			17	K	1	1	2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110	13	10	N	8			1			
09/21/94	1549	R	RED-TAILED HAWK	DUJA1	BZ	RA02B	OU6		11	P	5	5	2	MESIC MIXED GRASSLAND	322			12	10	N	8			1			
09/22/94	848	R	RED-TAILED HAWK	DUJA1	BZ	RW01B			13	T	5	5	2	DECIDUOUS WOODLAND	110			2	5	SW				2			
09/28/94	1100	R	RED-TAILED HAWK	DUJA1	BZ				16	U	5	5	2	MESIC MIXED GRASSLAND	322									1			
09/29/94	733	R	RED-TAILED HAWK	DUJA1	BZ	RW02B			5	P	1	1	2	DOTTOMLAND SHRUBLAND	210			18	20	NW	2			1			
10/04/94	1545	R	RED-TAILED HAWK	DUJA1	BZ				4	U	5	5	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
10/04/94	1530	R	RED-TAILED HAWK	DUJA1	BZ				4	U	0	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
10/06/94	1030	R	RED-TAILED HAWK	DUJA1	EA			ALKIRE/ABBOTT'S			5	5	2	GRAZED DOWN PASTURE	325									1			
10/07/94	900	R	RED-TAILED HAWK	DUJA1	BZ	RS03B			4	T	1	1	2	DECIDUOUS WOODLAND	110			10	5	SW	1			1			
10/07/94	830	R	RED-TAILED HAWK	DUJA1	BZ	BD02B			4	U	1	1	2	RECLAIMED MIXED GRASSLAND	324			10	5	SE	1			1			
10/10/94	1615	R	RED-TAILED HAWK	DUJA1	EA			100TH/NEST			0	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
10/10/94	900	R	RED-TAILED HAWK	DUJA1	BZ		OU5		7	J	5	5	2	MESIC MIXED GRASSLAND	322									1			
10/12/94	1125	R	RED-TAILED HAWK	DUJA1	EA			100TH/NEST			0	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
10/12/94	1135	R	RED-TAILED HAWK	DUJA1	EA			MCCASLIN/HWY128			0	0	2	POWER POLE	510	MESIC MIXED GRASSLAND	322							1			
10/12/94	1115	R	RED-TAILED HAWK	DUJA1	EA			84TH/ALKIRE			5	5	2	MESIC MIXED GRASSLAND	322									2			
10/13/94	850	R	RED-TAILED HAWK	DUJA1	EA			100TH/NEST			0	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							2			
10/14/94	730	R	RED-TAILED HAWK	DUJA1	BZ	DS01B			14	H	0	0	2	PONDEROSA WOODLAND	120	TALL UPLAND SHRUBLAND	230	9	3	SW	0			1			
10/25/94	855	R	RED-TAILED HAWK	DUJA1	BZ	RW01B			13	S	1	1	2	DECIDUOUS WOODLAND	110			10	0					1			
10/27/94	800	R	RED-TAILED HAWK	DUJA1	BZ	0X01B			11	R	1	1	2	MESIC MIXED GRASSLAND	322			14	20	W	7			1			
10/28/94	1100	R	RED-TAILED HAWK	DUJA1	EA			MCCASLIN/HWY128			0	0	2	POWER TOWER	510	MESIC MIXED GRASSLAND	322							1			
10/28/94	1039	R	RED-TAILED HAWK	DUJA1	EA			SIMMS/WAL. CK.			5	5	2	MESIC MIXED GRASSLAND	322									1			
10/28/94	1049	R	RED-TAILED HAWK	DUJA1	EA			MCCASLIN/COALTN			5	5	2	MESIC MIXED GRASSLAND	322									1			
10/28/94	1035	R	RED-TAILED HAWK	DUJA1	EA			100TH/NEST			0	0	2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
10/28/94	1040	R	RED-TAILED HAWK	DUJA1	EA			SIMMS/WTP			5	5	2	MESIC MIXED GRASSLAND	322									1			
10/28/94	1100	R	RED-TAILED HAWK	DUJA1	BZ				17	P	0	0	2	POWER TOWER	510	MESIC MIXED GRASSLAND	322							1			
10/31/94	1305	R	RED-TAILED HAWK	DUJA1	BZ				7	H	5	5	2	MESIC MIXED GRASSLAND	322									1			
11/14/94	1358	R	RED-TAILED HAWK	DUJA1	BZ	RA02B	OU6		11	P	5	5	2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	2	3	E	8			3			
11/18/94	1010	R	RED-TAILED HAWK	DUJA1	BZ				7	O	0	0	2	DECIDUOUS WOODLAND	110									1			
11/21/94	933	R	RED-TAILED HAWK	DUJA1	BZ	BG01R			15	P	1	1	2	MESIC MIXED GRASSLAND	322			1	10	SE	5			1			
11/22/94	1420	R	RED-TAILED HAWK	DUJA1	BZ		OU5		7	G	5	5	2	MESIC MIXED GRASSLAND	322			2	10	S				1			
11/22/94	1205	R	RED-TAILED HAWK	DUJA1	BZ	POHD A-4	OU6		12	O	5	5	2	MESIC MIXED GRASSLAND	322									1			
11/22/94	821	R	RED-TAILED HAWK	DUJA1	BZ	BW01B			17	K	1	1	2	MESIC MIXED GRASSLAND	322			2	10	SE	1			1			
11/28/94	1249	R	RED-TAILED HAWK	DUJA1	EA			ALKIRE/100TH			5	5	2	MESIC MIXED GRASSLAND	322									1			

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DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP UN1	ROADNAME	RF	RF	ACTI-	ACTI-	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO	NO
		GRP		CODE	AREA	NAME			GRID N	GRID E	VTY 1	VTY 2	NITE		CODE	CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS	
12/07/94	1201	R	ROUGH-LEGGED HAWK	BULA1	EA							0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
12/07/94	1208	R	ROUGH-LEGGED HAWK	BULA1	EA							5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
12/07/94	1000	R	ROUGH-LEGGED HAWK	BULA1	EA							12		2	FENCE POST	540	MESIC MIXED GRASSLAND	322							1			
12/12/94	941	R	ROUGH-LEGGED HAWK	BULA1	BZ	BA01R			11	E		1		2	MESIC MIXED GRASSLAND	322		3	S		1				1			
12/12/94	941	R	ROUGH-LEGGED HAWK	BULA1	BZ	BA01R			13	H		1		2	SHORT MARSH	20		3	S		1				1			
12/12/94	810	R	ROUGH-LEGGED HAWK	BULA1	BZ	BW01R			16	K		1	6	2	MESIC MIXED GRASSLAND	322		1	S		1				2			
12/13/94	835	R	ROUGH-LEGGED HAWK	BULA1	BZ	BX01B			14	H		5		2	XERIC MIXED GRASSLAND	323		2	SW						1			
12/14/94	1450	R	ROUGH-LEGGED HAWK	BULA1	EA							0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
12/14/94	1452	R	ROUGH-LEGGED HAWK	BULA1	EA							0		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
12/20/94	1347	R	ROUGH-LEGGED HAWK	BULA1	BZ	RA04B			4	R		1		2	MESIC MIXED GRASSLAND	322		14	NW		1				1			
12/20/94	953	R	ROUGH-LEGGED HAWK	BULA1	BZ	RA01B			13	H		5		2	TALL MARSH	30		10	W						1			
12/22/94	1301	R	ROUGH-LEGGED HAWK	BULA1	BZ				2	J		5		2	MESIC MIXED GRASSLAND	322									2			
12/22/94	901	R	ROUGH-LEGGED HAWK	BULA1	BZ				10	Q		0		2	POWER TOWER	510									1			
12/22/94	1407	R	ROUGH-LEGGED HAWK	BULA1	BZ				15	I		5		2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230							1			
10/14/94	1023	R	SHARP-SHINNED HAWK	ACST1	BZ	POND D-2			2	T		0		2	DECIDUOUS WOODLAND	110	OPEN SHALLOW WATER	54							1			
07/25/94	708	R	SHORT-EARED OWL	ASFL1	BZ	RS03B			5	S		5		2	COTTONWOOD TREE	110		22	0		8				1			
08/26/94		R	SHORT-EARED OWL	ASFL1	BZ	DS02B			14	G		0		2	TALL UPLAND SHRUBLAND	230		23	0		1				1			
11/21/94	1015	R	SHORT-EARED OWL	ASFL1	BZ	RS02B			14	F		0		2	TALL UPLAND SHRUBLAND	230		1	S		4				1			
04/28/94	800	R	SWAINSON'S HAWK	BUSW1	BZ				4	U		0		2	DECIDUOUS WOODLAND	110									1			
04/29/94	1320	R	SWAINSON'S HAWK	BUSW1	BZ	RW03B	OU5		7	I		1		2	DECIDUOUS WOODLAND	110		3	N		8				1			
05/16/94		R	SWAINSON'S HAWK	BUSW1	BZ	BA01R			12	G		1		2	MESIC MIXED GRASSLAND	322		22	E		5				1			
05/18/94	650	R	SWAINSON'S HAWK	BUSW1	BZ				11	E		1		2	MESIC MIXED GRASSLAND	322	PONDEROSA WOODLAND	120	16	W		8			2			
05/18/94	835	R	SWAINSON'S HAWK	BUSW1	BZ	BX01B			12	S		5		2	MESIC MIXED GRASSLAND	322		17	NW		8				1			
05/20/94	1046	R	SWAINSON'S HAWK	BUSW1	EA		SIMMSWTP					8		2	DECIDUOUS WOODLAND	110	CULTIVATED LANDS	430							1		1	
05/20/94	735	R	SWAINSON'S HAWK	BUSW1	BZ				1	S		5		2	MESIC MIXED GRASSLAND	322									1			
05/20/94	1040	R	SWAINSON'S HAWK	BUSW1	EA		SIMMSWTP					5		2	MESIC MIXED GRASSLAND	322									2			
05/20/94	726	R	SWAINSON'S HAWK	BUSW1	BZ				4	U		12		2	DECIDUOUS WOODLAND	110									1			
05/20/94	730	R	SWAINSON'S HAWK	BUSW1	BZ				4	U		10		2	DECIDUOUS WOODLAND	110									1			
05/20/94	959	R	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O		5		2	MESIC MIXED GRASSLAND	322									1			
05/24/94	1120	R	SWAINSON'S HAWK	BUSW1	BZ				5	U		5		2	MESIC MIXED GRASSLAND	322									1			
05/25/94	955	R	SWAINSON'S HAWK	BUSW1	BZ				5	U		5		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322							1			
05/26/94	1437	R	SWAINSON'S HAWK	BUSW1	BZ		OU2		10	O		0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322	16	SE		4			1		1	
06/01/94	1335	R	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O		1	0	2	MESIC MIXED GRASSLAND	322									1		1	
06/09/94		R	SWAINSON'S HAWK	BUSW1	BZ	BX01B			11	S		1		2	XERIC MIXED GRASSLAND	323		14	S		1				1			
06/13/94	950	R	SWAINSON'S HAWK	BUSW1	BZ	POND B-2	OU6		10	O		0		2	POWERPOLE	510	MESIC MIXED GRASSLAND	322							1			
06/16/94	1130	R	SWAINSON'S HAWK	BUSW1	BZ		OU2		9	N		5		2	MESIC MIXED GRASSLAND	322									1			
06/16/94	1410	R	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O		0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322							1		1	
06/20/94		R	SWAINSON'S HAWK	BUSW1	BZ				5	U		1		2	DECIDUOUS WOODLAND	110		27	NE		6				1			
06/20/94	1230	R	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O		0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322							1			
06/23/94	950	R	SWAINSON'S HAWK	BUSW1	BZ		OU687		12	L		5	1	2	RECLAIMED MIXED GRASSLAND	324									1			
06/24/94	845	R	SWAINSON'S HAWK	BUSW1	BZ		OU1		9	L		1		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322							1			
06/24/94		R	SWAINSON'S HAWK	BUSW1	BZ	BG02B	OU11		9	D		1		2	MESIC MIXED GRASSLAND	322		25	S						1			
06/28/94	1359	R	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	N		9		2	DECIDUOUS WOODLAND	110		29	SE		1				1		1	
06/28/94	1527	R	SWAINSON'S HAWK	BUSW1	BZ	RA02B			10	O		1		2	TALL MARSH	30		29	SE		1				2			
06/28/94	1350	R	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	M		1		2	DECIDUOUS WOODLAND	110		29	SE		1				1		1	
06/28/94	640	R	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M		8		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLANDS	322							1		1	
06/29/94	635	R	SWAINSON'S HAWK	BUSW1	BZ	POND B-1	OU6		10	O		0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322							1			

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS	
06/29/94	640	R	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322								1	1			
07/01/94	900	R	SWAINSON'S HAWK	BUSW1	BZ				4	U	0		2	DECIDUOUS WOODLAND	110										1				
07/19/94	1330	R	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	9	0	2	DECIDUOUS WOODLAND	110	POWER POLE	510								2	1	1		
07/26/94	1407	R	SWAINSON'S HAWK	BUSW1	BZ	RS02B			16	L	1		2	TALL UPLAND SHRUBLAND	230			26	15	NE		6			1				
08/01/94	640	R	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	5	0	2	MESIC MIXED GRASSLAND	322	DECIDUOUS WOODLAND	110								1			1	
08/03/94	1543	R	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322								1				
08/03/94	1540	R	SWAINSON'S HAWK	BUSW1	BZ	POND A-1	OU6		11	M	0		2	DECIDUOUS WOODLAND	110	POWER POLE	510								1			1	
08/19/94	940	R	SWAINSON'S HAWK	BUSW1	BZ		OU6		11	M	0		2	DECIDUOUS WOODLAND	110										1			1	
08/24/94	724	R	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	M	1		2	DECIDUOUS WOODLAND	110										2	1	1		
09/21/94	1608	R	SWAINSON'S HAWK	BUSW1	BZ	RA02B			10	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322								1				
09/28/94	1100	R	SWAINSON'S HAWK	BUSW1	BZ				16	U	5		2	MESIC MIXED GRASSLAND	322										1				
10/05/94	1450	R	SWAINSON'S HAWK	BUSW1	BZ	RA02B	OU6		11	M	0		2	DECIDUOUS WOODLAND	110										1				
05/04/94	945	R	TURKEY VULTURE	CAAU1	BZ				1	S	5		2	MESIC MIXED GRASSLAND	322										4				
05/04/94	940	R	TURKEY VULTURE	CAAU1	BZ	DD03B			3	Q	1		2	RECLAIMED MIXED GRASSLAND	324										2				
05/04/94	1545	R	TURKEY VULTURE	CAAU1	BZ	RS01B			14	F	1		2	TALL UPLAND SHRUBLAND	230										1				
05/16/94		R	TURKEY VULTURE	CAAU1	BZ	BG02A			7	K	1		2	MESIC MIXED GRASSLAND	322										1				
05/20/94	1035	R	TURKEY VULTURE	CAAU1	EA			100TH/WEST				1	2	MESIC MIXED GRASSLAND	322										1				
06/20/94	1100	R	TURKEY VULTURE	CAAU1	EA			INDIAN/WG WEST				5	2	MESIC MIXED GRASSLAND	322										1				
06/20/94	1012	R	TURKEY VULTURE	CAAU1	BZ				14	F	1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322								2				
06/20/94	1167	R	TURKEY VULTURE	CAAU1	BZ	RG02B			17	O	0		2	POWER POLE	510	MESIC MIXED GRASSLAND	322								1				
06/20/94	1441	R	TURKEY VULTURE	CAAU1	BZ	RG02B			17	N	1		2	MESIC MIXED GRASSLAND	322										1				
06/27/94	951	R	TURKEY VULTURE	CAAU1	BZ				1	T	5		2	MESIC MIXED GRASSLAND	322										1				
06/27/94		R	TURKEY VULTURE	CAAU1	BZ	DD03B			13	T	1		2	RECLAIMED MIXED GRASSLAND	324										1				
07/19/94	730	R	TURKEY VULTURE	CAAU1	BZ	DS01B			13	F	1		2	TALL UPLAND SHRUBLAND	230										1				
08/05/94	1120	R	TURKEY VULTURE	CAAU1	BZ				13	G	1		2	SHORT MARSH	20	MESIC MIXED GRASSLAND	322								1				
08/23/94	1130	R	TURKEY VULTURE	CAAU1	BZ				10	Q	1		2	MESIC MIXED GRASSLAND	322										1				
03/30/94	935	U	RING-NECKED PHEASANT	PHCO1	BZ	RW02B			4	M	0		2	BOTTOMLAND SHRUBLAND	210										1	1			
03/30/94		U	RING-NECKED PHEASANT	PHCO1	BZ	BW01A			7	L	0		2	BOTTOMLAND SHRUBLAND	210										1	1			
04/29/94	1305	U	RING-NECKED PHEASANT	PHCO1	BZ	RW03B	OUS		7	J	0		2	BOTTOMLAND SHRUBLAND	210										1	1			
05/02/94	1300	U	RING-NECKED PHEASANT	PHCO1	BZ	RW02B			4	M	0		2	BOTTOMLAND SHRUBLAND	210										1	1			
06/10/94	1012	U	RING-NECKED PHEASANT	PHCO1	BZ	RW01A			7	K	17		2	DECIDUOUS WOODLAND	110										1	1			
06/14/94	1417	U	RING-NECKED PHEASANT	PHCO1	BZ	RW02B			4	K	1		2	TALL MARSH	30										1	1			
11/21/94	1236	U	RING-NECKED PHEASANT	PHCO1	BZ	RW01A			7	K	0		2	BOTTOMLAND SHRUBLAND	210										1	1			
12/19/94	1445	U	RING-NECKED PHEASANT	PHCO1	BZ	RW01A			7	N	0		2	DECIDUOUS WOODLAND	110										1	1			
05/02/94	1140	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										1				
05/02/94	1105	W	AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54										1				
05/03/94	815	W	AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54										2				
05/20/94	735	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										4				
05/20/94	804	W	AMERICAN COOT	FUAM1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54										1				
05/26/94	1056	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										4				
06/01/94	1413	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										3				
06/13/94	1431	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										1				
06/20/94	800	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										1				
06/30/94	1227	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										3			1	2
06/30/94	1227	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										7			1	6
06/30/94	1227	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										19			2	19
07/01/94	900	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										2			1	1
07/13/94	740	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										2			1	1

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI- VTY 1	ACTI- VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS
07/13/94	740	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			2		1	1	
07/13/94	740	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			6		1	5	
07/13/94	740	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			4		1	3	
07/25/94	808	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			22	0		8			5		1	4	
08/09/94	2010	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	0		4	OPEN SHALLOW WATER	54			20	10	NW				7			7	
08/23/94	830	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1			1	
08/29/94	816	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			20	3	W				16			16	
09/13/94	1101	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			24	5	E	6			8			8	
10/07/94	1054	W	AMERICAN COOT	FUAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			14	5	SE	3			4			4	
05/04/94	935	W	AMERICAN WHITE PELICAN	PEER1	EA			INDIANA/96TH				1	2	MESIC MIXED GRASSLAND	322			15	5	SE				8			8	
05/20/94	804	W	AMERICAN WHITE PELICAN	PEER1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54									2	1	1		
03/18/94	1420	W	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									14	7	7		
03/30/94	1040	W	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			12	10	SW				9			9	
05/02/94	1147	W	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11	5	NE	8			2	1	1		
05/03/94	1233	W	AMERICAN WIGEON	ANAM1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			12	5	NW	8			2	1	1		
08/23/94	830	W	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									4			4	
08/29/94	816	W	AMERICAN WIGEON	ANAM1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			20	3	W				1			1	
05/20/94	804	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	0		2	DAM RIPRAP	530									1			1	
05/24/94	1120	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ				3	R	0		2	DAM RIPRAP	530									2			2	
05/26/94	1035	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	S	0		2	DAM RIPRAP	530			11	5		7			1			1	
05/26/94	1416	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND A-4	OU6		12	O	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			1			1	
06/01/94	1425	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	0		2	IMPOUNDMENT EDGE MUDFLAT	93									2			1	
06/20/94	635	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									1			1	
06/28/94	1458	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	RA020	OU6		11	P	0		2	BOTTOMLAND SHRUBLAND	210			29	10	SE	1			1			1	
07/01/94	900	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1			1	
07/01/94	900	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54									1			1	
07/01/94	1005	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND A-4	OU6		12	O	5		2	OPEN SHALLOW WATER	54									1			1	
07/25/94	755	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	S	0		2	MUDFLAT	93			22	0		8			1			1	
08/09/94	2015	W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ				3	R	0		4	MUDFLAT	93			20	10	NW				3			2	
08/10/94		W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND D-1			3	R	5		4	MUDFLAT	93			23	10	W	8	2		2			2	
08/16/94		W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-1	OU5		7	N	5		4	OPEN SHALLOW WATER	54			23	10	W	8	2		2			2	
08/16/94		W	BLACK-CROWNED NIGHT HERON	NYNY1	BZ	POND C-2	OU5		7	P	5	1	4	OPEN SHALLOW WATER	54	MESIC MIXED GRASSLAND	322	23	10	W	8	2		1			1	
03/04/94	800	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			10			0			0	2	1	1	
03/18/94	1420	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									4	2	2		
05/02/94	1140	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11	5	NE	8			4	2	2		
05/03/94	1233	W	BLUE-WINGED TEAL	AND11	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			12	5	NW	8			2	1	1		
05/04/94	950	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									2	1	1		
05/20/94	735	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									6	3	3		
05/20/94	1006	W	BLUE-WINGED TEAL	AND11	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54									2	1	1		
05/24/94	735	W	BLUE-WINGED TEAL	AND11	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			14	0		8			1		1		
05/26/94	1056	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11	5		7			2	1	1		
06/01/94	1413	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									3	2	1		
06/01/94	1328	W	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									2	1	1		
06/10/94	1104	W	BLUE-WINGED TEAL	AND11	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			22	5	SE				1		1		
06/13/94	1431	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1		1		
06/13/94	1405	W	BLUE-WINGED TEAL	AND11	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2		1		
06/13/94	950	W	BLUE-WINGED TEAL	AND11	BZ	POND A-4	OU6		12	O	5		2	OPEN SHALLOW WATER	54									1		1		

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS.
06/13/94	950	W	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									2	1	1		
06/20/94	800	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			22	5	NE	6			2	2	2		
06/23/94	940	W	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									1	1			
06/28/94	1432	W	BLUE-WINGED TEAL	AND11	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			29	10	SE	1			1	1			
06/29/94	647	W	BLUE-WINGED TEAL	AND11	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2	1	1		
06/30/94	1232	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			35	15	NW	1			2	1	1		
07/01/94	900	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									11		1	10	
07/01/94	900	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1	1			
07/01/94	900	W	BLUE-WINGED TEAL	AND11	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54									1	1			
07/01/94	900	W	BLUE-WINGED TEAL	AND11	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54									4	2	2		
07/25/94	808	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			22	0		8			4				4
08/09/94	1950	W	BLUE-WINGED TEAL	AND11	BZ	POND C-2	OU5		7	P	0		4	OPEN SHALLOW WATER	54			20	10	NW				1		1		
08/23/94	830	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									2				2
08/23/94	914	W	BLUE-WINGED TEAL	AND11	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									4				4
08/24/94	743	W	BLUE-WINGED TEAL	AND11	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54			23	0		3			6				6
08/24/94	846	W	BLUE-WINGED TEAL	AND11	BZ	POND D-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			23	0		3			4				4
08/29/94	816	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			20	3	W				5				5
08/29/94	752	W	BLUE-WINGED TEAL	AND11	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			20	3	W				5				5
10/07/94	1054	W	BLUE-WINGED TEAL	AND11	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			14	5	SE	3			8				8
03/18/94	1420	W	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									6	3	3		
03/30/94	1040	W	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			12	10	SW				6				6
05/02/94	1147	W	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11	5	NE	8			2	1	1		
05/04/94	950	W	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									2	1	1		
10/14/94	1023	W	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									6	3	3		
10/28/94	927	W	BUFFLEHEAD	BUAL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									20	10	10		
10/28/94	1003	W	BUFFLEHEAD	BUAL1	BZ	POND C-2	OU5		7	P	5		2	OPEN MID-DEPTH WATER	55									2	2			
10/28/94	724	W	BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									13	3	10		
11/08/94	840	W	BUFFLEHEAD	BUAL1	BZ	POND A-6	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			3	5	NE		5		14	3			11
11/14/94	1342	W	BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54	OPEN MID-DEPTH WATER	55	2	3	E	8		6	13	4	0		
11/28/94	1108	W	BUFFLEHEAD	BUAL1	BZ	POND A-4	OU6		12	P	5		2	OPEN MID-DEPTH WATER	55									1	1			
02/28/94	948	W	CANADA GOOSE	BRCA1	BZ		OU11		8	G	1		2	MESIC MIXED GRASSLAND	322			3	2	NW	6			1				1
02/28/94		W	CANADA GOOSE	BRCA1	BZ	BX01L			11	F	1		2	XERIC MIXED GRASSLAND	323			8	0	0	7			111				111
03/04/94	800	W	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	0		2	MUDFLAT	93			10			0		0	4				4
03/04/94	725	W	CANADA GOOSE	BRCA1	BZ		OU6		11	Q	0		2	MUDFLAT	93			10			0		0	1				1
03/04/94	702	W	CANADA GOOSE	BRCA1	BZ				16	M	1		2	XERIC MIXED GRASSLAND	323			10			0		0	5				5
03/17/94	1016	W	CANADA GOOSE	BRCA1	BZ		OU6		12	P	0		2	OPEN SHALLOW WATER	54									4	2	2		
03/18/94	1420	W	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									6	3	3		
03/18/94	1411	W	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	5	0	2	OPEN SHALLOW WATER	54									2				2
03/18/94	1655	W	CANADA GOOSE	BRCA1	BZ	POND B-5	OU6		11	Q	0		2	OPEN SHALLOW WATER	54									2	1	1		
03/18/94	1646	W	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	5		2	RECLAIMED MIXED GRASSLAND	324									2				2
03/18/94	1545	W	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2				2
03/25/94	1100	W	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2	1	1		
03/25/94	1100	W	CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									2	1	1		
03/30/94	1040	W	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			12	10	SW				5				5
03/31/94	1645	W	CANADA GOOSE	BRCA1	BZ	POND B-1	OU6		10	Q	5		2	OPEN SHALLOW WATER	54			10	5	SE				2				2
03/31/94	1626	W	CANADA GOOSE	BRCA1	BZ	POND B-5	OU6		11	Q	0		2	OPEN SHALLOW WATER	54			10	5	SE				2				2
03/31/94	1658	W	CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	0		2	MESIC MIXED GRASSLAND	322			10	5	SE				2				2

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DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP	ROADNAME	RF	RF	ACTI	ACTI	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WND	WND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.
		GRP		CODE	AREA	NAME	UNIT		GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS
13/31/94	1608	W	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	0			2	OPEN SHALLOW WATER	54		10	5	SE				2				2
14/29/94		W	CANADA GOOSE	BRCA1	BZ	BD03B			4	Q	1			2	BOTTOMLAND SHRUBLAND	210		19	5	SE	1			3				3
05/03/94	815	W	CANADA GOOSE	BRCA1	BZ	POND D-1			3	R	5			2	OPEN SHALLOW WATER	54								5				5
05/03/94	900	W	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	0			2	OPEN SHALLOW WATER	54								6				6
05/03/94	1211	W	CANADA GOOSE	BRCA1	BZ	RA02A	OU6		12	P	1			2	MESIC MIXED GRASSLAND	322		12	5	NW	8			2				2
05/03/94	1205	W	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	0			2	OPEN SHALLOW WATER	54		12	5	NW	8			3				3
05/04/94	950	W	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	5			2	OPEN SHALLOW WATER	54								2	1	1		
05/04/94	930	W	CANADA GOOSE	BRCA1	BZ	BD03B			3	Q	1			2	RECLAIMED MIXED GRASSLAND	324		15	5	SE				3				3
05/04/94	835	W	CANADA GOOSE	BRCA1	BZ	BR04A			7	N	1			2	MESIC MIXED GRASSLAND	322		15	5	E	0			3				3
05/04/94	910	W	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	0			2	OPEN SHALLOW WATER	54								3				3
05/16/94		W	CANADA GOOSE	BRCA1	BZ	BA01R			12	G	0			2	OPEN SHALLOW WATER	54		22	5	E	5			3				3
05/20/94	1025	W	CANADA GOOSE	BRCA1	EA			96TH/WALKIRE				10		2	STREAM CHANNEL	42								7				7
05/20/94	711	W	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	5			2	RECLAIMED MIXED GRASSLAND	324								2				2
05/20/94	712	W	CANADA GOOSE	BRCA1	BZ	POND C-2	OU5		7	P	1			2	RECLAIMED MIXED GRASSLAND	324								3				3
05/20/94	1000	W	CANADA GOOSE	BRCA1	BZ	POND B-2	OU6		10	O	0			2	OPEN SHALLOW WATER	54								2				2
05/20/94	948	W	CANADA GOOSE	BRCA1	BZ	POND A-3	OU6		12	P	0			2	MESIC MIXED GRASSLAND	322								4				4
05/24/94	655	W	CANADA GOOSE	BRCA1	BZ	RW01A			7	O	1			2	DECIDUOUS WOODLAND	110		14	0		6			3				3
05/24/94	820	W	CANADA GOOSE	BRCA1	BZ	RW01A			7	K	1			2	DECIDUOUS WOODLAND	110		14	0		6			2				2
07/19/94	1300	W	CANADA GOOSE	BRCA1	BZ	POND A-2	OU6		12	O	0	12		2	OPEN SHALLOW WATER	54								9				9
08/25/94		W	CANADA GOOSE	BRCA1	BZ	BD02B			2	T	1			2	RECLAIMED MIXED GRASSLAND	324		23	0		2			30				30
10/07/94	1054	W	CANADA GOOSE	BRCA1	BZ	POND D-2			2	T	6			2	OPEN SHALLOW WATER	54		14	5	SE	3			2				2
10/07/94	935	W	CANADA GOOSE	BRCA1	BZ	BD03B			4	R	1			2	RECLAIMED MIXED GRASSLAND	324		13	5	SE	2			15				15
10/07/94	928	W	CANADA GOOSE	BRCA1	BZ	RS03B			5	Q	1			2	BOTTOMLAND SHRUBLAND	210		10	5	SW	1			15				15
11/14/94	830	W	CANADA GOOSE	BRCA1	BZ	BA01A			7	K	1			2	MESIC MIXED GRASSLAND	322		-1	0	0	8			7				7
11/14/94	900	W	CANADA GOOSE	BRCA1	BZ	BG02A			7	K	1			2	MESIC MIXED GRASSLAND	322		-1	0	0	8			26				26
11/14/94	837	W	CANADA GOOSE	BRCA1	BZ	BG02A			8	N	1			2	MESIC MIXED GRASSLAND	322		-1	0	0	8			27				27
11/14/94	1307	W	CANADA GOOSE	BRCA1	BZ	RA02B	OU6		11	M	1			2	DECIDUOUS WOODLAND	110	BOTTOMLAND SHRUBLAND	210	2	3	E	8	6	22				22
11/15/94	834	W	CANADA GOOSE	BRCA1	BZ				13	F	1			2	MESIC MIXED GRASSLAND	322		0	5	W	0			15				15
11/21/94	829	W	CANADA GOOSE	BRCA1	BZ	RA01B			11	E	1			2	SHORT MARSH	20		-6	5	SE				5				5
11/21/94	825	W	CANADA GOOSE	BRCA1	BZ	RA01D			12	F	1			2	WET MEADOW	10		-6	5	SE				25				25
11/21/94	840	W	CANADA GOOSE	BRCA1	BZ	BX01L			12	G	1			2	XERIC MIXED GRASSLAND	323		-1	10	SW				16				16
11/21/94	904	W	CANADA GOOSE	BRCA1	BZ	BX02R			14	J	1			2	MESIC MIXED GRASSLAND	322		2	10	SW	3			3				3
11/21/94	756	W	CANADA GOOSE	BRCA1	BZ	RA01B			13	H	1			2	SHORT MARSH	20		-6	5	SE				9				9
11/21/94	720	W	CANADA GOOSE	BRCA1	BZ	BS02B			14	J	1			2	TALL UPLAND SHRUBLAND	230		-6	5	SE				25				25
11/21/94	933	W	CANADA GOOSE	BRCA1	BZ	BG01R			15	O	1			2	MESIC MIXED GRASSLAND	322		1	10	SE	5			100				100
11/22/94	928	W	CANADA GOOSE	BRCA1	BZ				10	H	1			2	MESIC MIXED GRASSLAND	322								63				63
11/28/94	946	W	CANADA GOOSE	BRCA1	BZ				5	T	1			2	MESIC MIXED GRASSLAND	322								5				5
12/13/94	1515	W	CANADA GOOSE	BRCA1	BZ		OU1		8	L	1			2	MESIC MIXED GRASSLAND	322	DISTURBED/BARREN LANDS	420						30				30
12/14/94	1456	W	CANADA GOOSE	BRCA1	EA						0			2	MUDFLAT	93								16				16
12/15/94	800	W	CANADA GOOSE	BRCA1	BZ	BD02B			3	U	1			2	RECLAIMED MIXED GRASSLAND	324		-5	5	W				24				24
03/25/94	1100	W	CANVASBACK	AYVA1	BZ	POND A-3	OU6		12	P	5			2	OPEN SHALLOW WATER	54								1		1		1
05/02/94	1117	W	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5			2	OPEN SHALLOW WATER	54		11	5	NE	8			8	4	4		
05/20/94	735	W	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5			2	OPEN SHALLOW WATER	54									2	2		
05/24/94	735	W	CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	5			2	OPEN SHALLOW WATER	54		14	0		6			2	1	1		
05/26/94	1056	W	CINNAMON TEAL	ANCY1	BZ	POND D-2			2	T	5			2	OPEN SHALLOW WATER	54		11	5		7			2	2			
06/10/94	1016	W	CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	5			2	OPEN SHALLOW WATER	54		22	5	SE				2	1	1		
06/15/94	760	W	CINNAMON TEAL	ANCY1	BZ	POND C-1	OU5		7	N	5			2	OPEN SHALLOW WATER	54		20	2	W	0			2	1	1		

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP	UNI	ROADNAME	RF	RF	ACTI	ACTI	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.		
		GRP		CODE	AREA	NAME				GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS		
06/20/94	800	W	CINNAMON TEAL	ANCY1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54			22	5	NE	6			2	1	1				
07/13/94	740	W	CINNAMON TEAL	ANCY1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			1	1					
07/13/94	740	W	CINNAMON TEAL	ANCY1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			1	1					
08/23/94	830	W	CINNAMON TEAL	ANCY1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54										4				4	
03/02/94	1235	W	COMMON GOLDENEYE	BUCL1	BZ	POND A-4	OU6			12	Q	5		2	OPEN SHALLOW WATER	54			18	10	E				2					2	
03/04/94	808	W	COMMON GOLDENEYE	BUCL1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54			10			0			0	3	2	1			
03/04/94	800	W	COMMON GOLDENEYE	BUCL1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54			10			0			0	14	1				13
03/04/94	722	W	COMMON GOLDENEYE	BUCL1	BZ		OU6			12	Q	5		2	OPEN MID-DEPTH WATER	55			10			0			0	3	3				
03/18/94	1420	W	COMMON GOLDENEYE	BUCL1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54									20	10					
03/18/94	1545	W	COMMON GOLDENEYE	BUCL1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54									1					1	
03/25/94	1100	W	COMMON GOLDENEYE	BUCL1	BZ	POND A-2	OU6			12	O	5		2	OPEN SHALLOW WATER	54									1	1					
03/18/94	1435	W	COMMON MERGANSER	MEME1	BZ	POND D-1				3	R	5		2	OPEN SHALLOW WATER	54									2		2				
05/04/94	910	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5			7	P	5		2	OPEN MID DEPTH WATER	55									1					1	
05/16/94	840	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B	OU6			13	U	1		2	MESIC MIXED GRASSLAND	322			19	5	E				1					1	
05/18/94	738	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54			16	5	W	8			1					1	
05/20/94	712	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5			7	P	1		2	RECLAIMED MIXED GRASSLAND	324										1				1	
05/20/94	948	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU5			12	P	0		2	OPEN SHALLOW WATER	54										6				6	
05/20/94	944	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6			12	Q	5		2	OPEN SHALLOW WATER	54									2					2	
05/26/94	1054	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54				11	5		7			1				1	
05/26/94	1411	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5	0	2	OPEN SHALLOW WATER	54				16	5	SE	4			4				4	
05/26/94	1416	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6			12	Q	5		2	OPEN SHALLOW WATER	54	OPEN MID-DEPTH WATER		55	16	5	SE	4			3				3	
06/01/94	1355	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5			7	P	5		2	OPEN SHALLOW WATER	54										1				1	
06/01/94	1335	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6			11	Q	5		2	OPEN SHALLOW WATER	54										1				1	
06/01/94	1320	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6			12	Q	5		2	OPEN SHALLOW WATER	54									3					3	
06/01/94	1320	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54									4					4	
06/13/94	1405	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-4	OU6			12	Q	5		2	OPEN SHALLOW WATER	54										6				6	
06/13/94	950	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6			12	Q	5		2	OPEN SHALLOW WATER	54										1				1	
06/13/94	950	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54										11				11	
06/14/94	830	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-1	OU6			10	O	5		2	OPEN SHALLOW WATER	54										5				5	
06/14/94	850	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54										5				5	
06/14/94	1043	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	RW01B	OU6			13	U	1		2	MESIC MIXED GRASSLAND	322			26	19	W	6				1				1	
06/16/94	1425	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-2	OU6			10	O	5		2	OPEN SHALLOW WATER	54										2				2	
06/20/94	W	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BS02B	OU5			4	T	1		2	BOTTOMLAND SHRUBLAND	210			27	5	NE	6				1				1	
06/20/94	635	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5			7	P	5		2	OPEN SHALLOW WATER	54										1				1	
06/22/94	636	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54										5				5	
06/22/94	W	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01B	OU6			13	T	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	25	0		4				1				1	
06/23/94	940	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54										1				1	
06/24/94	W	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01A	OU6			7	K	1		2	DECIDUOUS WOODLAND	110			20	5	W					1				1	
06/24/94	805	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ		OU1			8	L	1		2	DISTURBED/BARREN LANDS	420	MESIC MIXED GRASSLAND	322								1				1	
06/24/94	1416	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	RD02B	OU6			8	C	5		2	OPEN WATER EXCAVATION	58			32	10	NE	1				1				1	
06/24/94	634	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54										4				4	
06/24/94	634	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6			12	O	5		2	OPEN SHALLOW WATER	54										1				1	
06/27/94	800	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BA01R	OU6			12	F	1		2	SHORT MARSH	20			18	0		1				2				2	
06/28/94	1448	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6			11	Q	5		2	OPEN SHALLOW WATER	54				20	10	SE	1			8		1	7		
06/28/94	1432	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6			12	P	5		2	OPEN SHALLOW WATER	54				29	10	SE	1				10				10
06/28/94	1447	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6			12	Q	0		2	MUDFLAT	93				29	10	SE	1			3				3	
06/28/94	W	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	BW01D	OU6			13	S	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	24	10	E	0			1					1	

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP UNI	ROADNAME	RF	RF	ACTI-	ACTI-	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WND	WND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.			
		GRP		CODE	AREA	NAME			GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLA			
06/29/94	647	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P		0		2	OPEN SHALLOW WATER	54								4							
07/01/94	900	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									1						
07/01/94	900	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER	54									1						
07/01/94	1005	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54									2						
07/13/94	645	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND-C-2	OU5		7	P		5		2	OPEN SHALLOW WATER	54									1						
07/19/94	1300	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P		0		2	OPEN SHALLOW WATER	54									1						
07/29/94	822	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-4	OU6		12	Q		5		2	OPEN SHALLOW WATER	54	OPEN MID-DEPTH WATER	55	27	10	E		2		2						
07/29/94	804	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54			27	10	E		2		1						
08/22/94	1356	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q		5		2	OPEN MID-DEPTH WATER	55									4						
08/24/94	827	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54			23	0			3		2						
08/24/94	827	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND B-5	OU6		11	Q		0		2	MUDFLAT	93			23	0			3		4						
08/24/94	802	W	DOUBLE-CRESTED CORMORANT	PHAU1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54			23	0			3		1						
03/18/94	1420	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									2	1		1			
03/30/94	1040	W	GADWALL	ANST1	BZ	POND D-2			2	T		5	0	2	OPEN SHALLOW WATER	54			12	10	SW				68						
05/02/94	1117	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			11	5	NE		8		26	13		13			
05/03/94	1233	W	GADWALL	ANST1	BZ	POND D-4	OU6		10	P		5		2	OPEN SHALLOW WATER	54			12	5	NW		8		2	1		1			
05/03/94	1157	W	GADWALL	ANST1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54			12	5	NW		8		8	4		4			
05/04/94	950	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									41						
05/20/94	735	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									13	7		6			
05/20/94	1006	W	GADWALL	ANST1	BZ	POND B-4	OU6		10	P		5		2	OPEN SHALLOW WATER	54									2		1		1		
05/26/94	1105	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			11	5			7		8						
06/01/94	1413	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									16	4		1	11		
06/13/94	1431	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									3	1		2			
06/13/94	1405	W	GADWALL	ANST1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									2	1		1			
06/13/94	950	W	GADWALL	ANST1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54									2	1		1			
06/16/94	1420	W	GADWALL	ANST1	BZ	POND A-1	OU6		12	N		5		2	OPEN SHALLOW WATER	54									2	1		1			
06/20/94	800	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			22	5	NE		6		10	2		1	7		
07/01/94	900	W	GADWALL	ANST1	BZ	POND C-1	OU5		7	N		5		2	OPEN SHALLOW WATER	54									1			1			
07/13/94	740	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			18	2	NW		1		5				6		
07/13/94	740	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			18	2	NW		1		5				5		
07/29/94	804	W	GADWALL	ANST1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54			27	10	E		2		1						
09/13/94	1045	W	GADWALL	ANST1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER	54			24	5	E		6		4						
10/07/94	1054	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			14	5	SE		3		2						
10/14/94	1023	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									1		1				
10/28/94	927	W	GADWALL	ANST1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									21	17		4			
03/31/94	1334	W	GREAT BLUE HERON	ARHE1	BZ	RA01B			11	E		1		2	MESIC MIXED GRASSLAND	322			13	5	W				1						
03/31/94	1608	W	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54			10	5	SE				1						
04/04/94	1130	W	GREAT BLUE HERON	ARHE1	BZ	RW01A			7	L		1		2	MESIC MIXED GRASSLAND	322			18	35	W		2		1						
04/25/94		W	GREAT BLUE HERON	ARHE1	BZ	BA01A			7	K		1		2	MESIC MIXED GRASSLAND	322			8	10	NE				1						
05/04/94	940	W	GREAT BLUE HERON	ARHE1	BZ	BD03D			3	Q		1		2	RECLAIMED MIXED GRASSLAND	324			15	5	SE				1						
05/04/94	1515	W	GREAT BLUE HERON	ARHE1	BZ	RW01B	OU6		13	U		5		2	OPEN SHALLOW WATER	54			20	5	SE		4		1						
05/20/94	1054	W	GREAT BLUE HERON	ARHE1	EA			HWY 93/HWY 128				1		2	MESIC MIXED GRASSLAND	322									1						
05/20/94	711	W	GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P		5		2	OPEN SHALLOW WATER	54									2						
05/20/94	1008	W	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q		0		2	FENCE POST	560	MESIC MIXED GRASSLAND	322							1						
05/20/94	1000	W	GREAT BLUE HERON	ARHE1	BZ	POND B-2	OU6		10	O		5		2	OPEN SHALLOW WATER	54									2						
05/20/94	944	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	OPEN SHALLOW WATER	54									1						
05/24/94	1120	W	GREAT BLUE HERON	ARHE1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									1						

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP UNIT	ROADNAME	RF	RF	ACTI	ACTI	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.
		GRP		CODE	AREA	NAME			GRID N	GRIDE	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS
05/26/94	1416	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	OPEN SHALLOW WATER	54		16	5	SE	4				1			1
06/01/94	1413	W	GREAT BLUE HERON	ARHE1	BZ	POND D-2				2	T	5		2	OPEN SHALLOW WATER	54									1			1
06/01/94	1335	W	GREAT BLUE HERON	ARHE1	BZ	POND B-4	OU6		10	P		5		2	OPEN SHALLOW WATER	54									1			1
06/01/94	1335	W	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54									1			1
06/01/94	1602	W	GREAT BLUE HERON	ARHE1	BZ				10	G		1		2	MESIC MIXED GRASSLAND	322									1			1
06/01/94	1320	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	OPEN SHALLOW WATER	54									1			1
06/01/94	1525	W	GREAT BLUE HERON	ARHE1	BZ				13	F		1		2	TALL UPLAND SHRUBLAND	230									1			1
06/07/94		W	GREAT BLUE HERON	ARHE1	BZ	BS01B			14	G		1		2	TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	19	5	W	1			1			1
06/09/94		W	GREAT BLUE HERON	ARHE1	BZ	BX01B			12	S		1		2	XERIC MIXED GRASSLAND	323			14	15	S	1			1			1
06/10/94	1050	W	GREAT BLUE HERON	ARHE1	BZ	RW01A			7	O		1		2	DECIDUOUS WOODLAND	110				22	5	SE			2			2
06/13/94		W	GREAT BLUE HERON	ARHE1	BZ	BD02B			3	T		1		2	RECLAIMED MIXED GRASSLAND	324			23	0		1			1			1
06/13/94	945	W	GREAT BLUE HERON	ARHE1	BZ	LANDFILL	OU6&7		12	L		5		2	OPEN SHALLOW WATER	54									1			1
06/14/94	850	W	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									1			1
06/14/94	1038	W	GREAT BLUE HERON	ARHE1	BZ	RW01B			13	U		5		2	OPEN SHALLOW WATER	54			28	19	W	6			1			1
06/15/94	654	W	GREAT BLUE HERON	ARHE1	BZ	POND G-1	OU5		7	N		5		2	OPEN SHALLOW WATER	54			20	2	W	0			1			1
06/15/94		W	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	P		1		2	MESIC MIXED GRASSLAND	322			20	5	SE	2			1			1
06/16/94	1410	W	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54									1			1
06/18/94	1425	W	GREAT BLUE HERON	ARHE1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54									1			1
06/22/94	710	W	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	O		1		2	MESIC MIXED GRASSLAND	322			22	3	SW	4			1			1
06/23/94	835	W	GREAT BLUE HERON	ARHE1	BZ				7	N		5		2	OPEN SHALLOW WATER	54									1			1
06/24/94	800	W	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54									1			1
06/24/94	1252	W	GREAT BLUE HERON	ARHE1	BZ	RA01B			13	G		5		2	TALL MARSH	30			29	10	NE	1			1			1
06/24/94	634	W	GREAT BLUE HERON	ARHE1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54									1			1
06/27/94	718	W	GREAT BLUE HERON	ARHE1	BZ	BA01R			13	H		5		2	SHORT MARSH	20			18	0		1			1			1
06/28/94	1458	W	GREAT BLUE HERON	ARHE1	BZ	RA02B	OU6		11	P		5		2	BOTTOMLAND SHRUBLAND	210			29	10	SE	1			1			1
06/28/94	1445	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	MUDFLAT	93			29	10	SE	1			1			1
06/28/94	1443	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	OPEN SHALLOW WATER	54			20	10	SE	1			1			1
07/01/94	1005	W	GREAT BLUE HERON	ARHE1	BZ				8	C		5		2	OPEN SHALLOW WATER	54									1			1
07/01/94	1005	W	GREAT BLUE HERON	ARHE1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54									1			1
07/01/94	1005	W	GREAT BLUE HERON	ARHE1	BZ				11	E		5		2	OPEN SHALLOW WATER	54									1			1
07/12/94	920	W	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	O		1		2	MESIC MIXED GRASSLAND	322			25	5	SE	4			1			1
07/12/94	920	W	GREAT BLUE HERON	ARHE1	BZ	BG01R			15	P		1		2	MESIC MIXED GRASSLAND	322			25	5	SE	4			1			1
07/13/94	832	W	GREAT BLUE HERON	ARHE1	BZ	SID			8	P		1		2	DITCH POOL	47	TALL MARSH	30							1			1
07/19/94	1300	W	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									1			1
07/25/94	808	W	GREAT BLUE HERON	ARHE1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54			22	0		8			1			1
07/29/94	909	W	GREAT BLUE HERON	ARHE1	BZ	POND B-2	OU6		10	Q		5		2	OPEN SHALLOW WATER	54			27	10	E	2			1			1
07/29/94	853	W	GREAT BLUE HERON	ARHE1	BZ	RA02B	OU6		11	P		5		2	BOTTOMLAND SHRUBLAND	210			27	10	E	2			1			1
07/29/94	804	W	GREAT BLUE HERON	ARHE1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54			27	10	E	2			1			1
08/03/94	1550	W	GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P		1		2	OPEN SHALLOW WATER	54									1			1
08/04/94	820	W	GREAT BLUE HERON	ARHE1	BZ	BW01A			7	N		5		2	IMPOUNDMENT MUDFLAT	93			22	5	NE	0			1			1
08/09/94	2145	W	GREAT BLUE HERON	ARHE1	BZ				7	N		5		4	OPEN SHALLOW WATER	54			20	10	NW				1			1
08/16/94		W	GREAT BLUE HERON	ARHE1	BZ	POND C-2	OU5		7	P		5		4	OPEN SHALLOW WATER	54			23	10	W	8	2		1			1
08/16/94	740	W	GREAT BLUE HERON	ARHE1	BZ	BA01R			12	F		1		2	MESIC MIXED GRASSLAND	322			27	15	NW	0			1			1
08/23/94	637	W	GREAT BLUE HERON	ARHE1	BZ	POND C-1	OU5		7	N		5		2	OPEN SHALLOW WATER	54			16	0					1			1
08/23/94	915	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	OPEN SHALLOW WATER	54									1			1
08/24/94	818	W	GREAT BLUE HERON	ARHE1	BZ	POND A-4	OU6		12	Q		5		2	MUDFLAT	93			23	0		3			1			1
08/29/94	752	W	GREAT BLUE HERON	ARHE1	BZ	POND D-1			3	R		5		2	OPEN SHALLOW WATER	54			20	3	W				1			1

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP UNIT	ROADNAME	RF	RF	ACTI	ACTI	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.	
		GRP		CODE	AREA	NAME			GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FMAL	YNG	UNCLAS	
09/21/94	1556	W	GREAT BLUE HERON	ARHE1	BZ	POND B-4	OU6		10	P		5		2	OPEN SHALLOW WATER	54		12	10	N	8			1				1	
03/25/94	1100	W	GREATER SCAUP	AYMA1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/31/94	1616	W	GREATER SCAUP	AYMA1	BZ	POND A-4	OU6		12	Q		5		2	OPEN MID-DEPTH WATER	55		10	5	SE					14	10		4	
04/18/94	745	W	GREATER SCAUP	AYMA1	BZ	BADIR			13	H		5		2	OPEN SHALLOW WATER	54		20	5	NE	4				2	2			
03/30/94	1040	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5	0	2	OPEN SHALLOW WATER	54		12	10	SW					8				8
03/31/94	1608	W	GREEN-WINGED TEAL	ANCR1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54		10	5	SE					9	7		2	
03/31/94	1556	W	GREEN-WINGED TEAL	ANCR1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54		10	5	SE					8	6		2	
04/29/94	1334	W	GREEN-WINGED TEAL	ANCR1	BZ	RA01B			11	E		5		2	OPEN SHALLOW WATER	54		2	10	NW	8				2	1		1	
05/02/94	1117	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54		11	5	NE	8				6	3		3	
05/03/94	1157	W	GREEN-WINGED TEAL	ANCR1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54		12	5	NW	8				4	3		1	
05/04/94	950	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									4	2		2	
05/20/94	735	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									3	3			
06/01/94	1413	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									1	1			
06/01/94	1335	W	GREEN-WINGED TEAL	ANCR1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54									2	1		1	
08/09/94	2010	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		0		4	OPEN SHALLOW WATER	54		20	10	NW					1				1
09/21/94	1516	W	GREEN-WINGED TEAL	ANCR1	BZ	POND A-1	OU6		11	N		5		2	OPEN SHALLOW WATER	54		12	10	N	8				2				2
10/14/94	1023	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									4	1		3	
10/28/94	927	W	GREEN-WINGED TEAL	ANCR1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									1	1			
03/17/94	1015	W	LESSER SCAUP	AYAF1	BZ		OU6		12	P		5		2	OPEN SHALLOW WATER	54									1				1
03/18/94	1420	W	LESSER SCAUP	AYAF1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/18/94	1545	W	LESSER SCAUP	AYAF1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									3	2		1	
03/30/94	1040	W	LESSER SCAUP	AYAF1	BZ	POND D-2			2	T		5	0	2	OPEN SHALLOW WATER	54		12	10	SW					55				55
05/03/94	1157	W	LESSER SCAUP	AYAF1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54		12	5	NW	8				1	1			
10/07/94	1054	W	LESSER SCAUP	AYAF1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54		14	5	SE	3				6				6
04/29/94	1325	W	LONG-BILLED CURLEW	NUAM1	BZ	RA01B			11	F		1		2	SHORT MARSH	20		2	10	NW	8				6				6
12/20/94	832	W	LONG-BILLED CURLEW	NUAM1	BZ	RG02B			16	O		1		2	MESIC MIXED GRASSLAND	322		5	20	W					1				1
02/01/94	1525	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5		2	OPEN SHALLOW WATER	54		1	15	NE					5	3		2	
03/02/94	1235	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q		5	0	2	OPEN SHALLOW WATER	54		18	10	E					18	11		7	
03/04/94	800	W	MALLARD	ANPL1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54		10			0			0	66	36		28	
03/04/94	716	W	MALLARD	ANPL1	BZ		OU6		12	O		5	1	2	OPEN SHALLOW WATER	54		10			0			0	1	1			
03/04/94	715	W	MALLARD	ANPL1	BZ		OU6		12	P		5	1	2	OPEN SHALLOW WATER	54		10			0			0	24	14		10	
03/17/94	930	W	MALLARD	ANPL1	BZ				7	N		5	0	2	OPEN SHALLOW WATER	54									2	1		1	
03/17/94	1015	W	MALLARD	ANPL1	BZ		OU6		12	P		5		2	OPEN SHALLOW WATER	54									7	4		9	
03/18/94	1420	W	MALLARD	ANPL1	BZ	POND D-2			2	T		5		2	OPEN SHALLOW WATER	54									44	22		22	
03/18/94	1405	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N		5		2	OPEN SHALLOW WATER	54									6	3		3	
03/18/94	1411	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P		5	0	2	OPEN SHALLOW WATER	54									12	7		5	
03/18/94	1550	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/18/94	1550	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/18/94	1550	W	MALLARD	ANPL1	BZ	POND A-1	OU6		11	H		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/18/94	1548	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/18/94	1545	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/22/94	812	W	MALLARD	ANPL1	BZ	RA01B			5			0		2	TALL MARSH	30									2	1		1	
03/25/94	1100	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P		5		2	OPEN SHALLOW WATER	54									4	2		2	
03/25/94	1100	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O		5		2	OPEN SHALLOW WATER	54									2	1		1	
03/30/94	1040	W	MALLARD	ANPL1	BZ	POND D-2			2	T		5	0	2	OPEN SHALLOW WATER	54		12	10	SW					13				13
03/31/94	1626	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q		5		2	OPEN SHALLOW WATER	54			10	5	SE				6	3		3	
03/31/94	1640	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O		5		2	OPEN SHALLOW WATER	54			10	5	SE				4	2		2	

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI VTY 1	ACTI VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS	
														2 OPEN SHALLOW WATER	54				10	5 SE					2	1	1		
03/31/94	1642	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10 O		5			2 OPEN SHALLOW WATER	54			10	5 SE						1	1			
03/31/94	1645	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10 O		5			2 OPEN SHALLOW WATER	54			10	5 SE						9	7	2		
03/31/94	1556	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12 O		5			2 OPEN SHALLOW WATER	54			10	5 SE						9	7	2		
03/31/94	1608	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12 P		5			2 OPEN SHALLOW WATER	54			10	5 SE						3	2	1		
03/31/94	1616	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12 Q		5			2 OPEN SHALLOW WATER	54			10	5 SE						4	2	2		
03/31/94	1356	W	MALLARD	ANPL1	BZ	RA01B	OU6		13 H		5			2 OPEN SHALLOW WATER	54			13	5 W						2	1	1		
04/04/94	1110	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7 N		5			2 OPEN SHALLOW WATER	54			15	30 NW		0				2	1	1		
04/13/94	930	W	MALLARD	ANPL1	BZ	BW01B	OU6		13 U		0			2 STREAM POOL	43			20	5 NE		4				1	1			
04/18/94	745	W	MALLARD	ANPL1	BZ	BA01R	OU6		13 H		5			2 OPEN SHALLOW WATER	54			10	0						2	1	1		
04/25/94	730	W	MALLARD	ANPL1	BZ	BW01A	OU6		7 K		1			2 BOTTOMLAND SHRUBLAND	210			8	10 NE						1				
04/25/94	730	W	MALLARD	ANPL1	BZ	BA01A	OU6		7 K		1			2 SID DITCH POOL	49										1	1			
04/25/94	740	W	MALLARD	ANPL1	BZ	BS01B	OU6		14 G		1			2 TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	10	10 E		8				1				
04/25/94	740	W	MALLARD	ANPL1	BZ	BS01B	OU6		14 G		0			2 TALL UPLAND SHRUBLAND	230	MESIC MIXED GRASSLAND	322	10	10 E		8				1				
04/25/94	740	W	MALLARD	ANPL1	BZ	BS01B	OU6		8 L		1			2 MESIC MIXED GRASSLAND	322	RECLAIMED MIXED GRASSLAND	324	0	10 SE		8		5		1				
04/26/94	753	W	MALLARD	ANPL1	BZ	BR02A	OU1		13 I		1			2 XERIC MIXED GRASSLAND	323			20	5 SE		1				1				
04/26/94	640	W	MALLARD	ANPL1	BZ	BX01R	OU6		4 T		0			2 BOTTOMLAND SHRUBLAND	210			2	10 NW		8				2	1	1		
04/29/94	1344	W	MALLARD	ANPL1	BZ	RA01B	OU6		11 E		5			2 OPEN SHALLOW WATER	54			2	10 NW		8				2	1	1		
04/29/94	1404	W	MALLARD	ANPL1	BZ	RA01B	OU6		12 G		0			2 TALL MARSH	30			11	5 NE		8				6	3	3		
05/02/94	1140	W	MALLARD	ANPL1	BZ	POND D-2	OU6		2 T		5			2 OPEN SHALLOW WATER	54			13	5 E		8				1	1			
05/02/94	1258	W	MALLARD	ANPL1	BZ	RW02B	OU6		4 M		0			2 STREAM POOL	43			11	5 NE		8				1				
05/02/94	1100	W	MALLARD	ANPL1	BZ	RA04B	OU6		4 R		0			2 MESIC MIXED GRASSLAND	322			12	6 NW		8				1	1			
05/03/94	1242	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10 O		5			2 MUDFLAT	93			12	5 NW		8				2	1	1		
05/03/94	1233	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10 P		5			2 OPEN SHALLOW WATER	54			12	5 NW		8				2	2			
05/03/94	1250	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10 O		5			2 OPEN SHALLOW WATER	54			12	5 NW		8				2	1	1		
05/03/94	1157	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12 O		5			2 OPEN SHALLOW WATER	54			18	5 S		4				2	1	1		
05/04/94	950	W	MALLARD	ANPL1	BZ	POND D-2	OU6		2 T		5			2 OPEN SHALLOW WATER	54			15	5 SE		0				3				
05/04/94	1117	W	MALLARD	ANPL1	BZ	RW01A	OU6		7 N		5			2 OPEN SHALLOW WATER	54			15	5 SE		0				2				
05/04/94	845	W	MALLARD	ANPL1	BZ	BD01A	OU6		7 N		1			2 MESIC MIXED GRASSLAND	322			15	3 E		0				2				
05/04/94	800	W	MALLARD	ANPL1	BZ	BG02A	OU6		7 L		0			2 DITCH POOL	49			20	5 SE		4				2	1	1		
05/04/94	1510	W	MALLARD	ANPL1	BZ	BG02A	OU6		13 T		5			2 INSTREAM POOL	43			22	3 NE		1				1				
05/16/94		W	MALLARD	ANPL1	BZ	BW01A	OU6		7 K		1			2 MESIC MIXED GRASSLAND	322			8	10						2	1	1		
05/16/94		W	MALLARD	ANPL1	BZ	BW01A	OU6		7 J		5			2 SID DITCH POOL	49			12	5						2	1	1		
05/16/94		W	MALLARD	ANPL1	BZ	BA01A	OU5		7 K		5			2 SID DITCH POOL	49			12	5						2	1	1		
05/16/94		W	MALLARD	ANPL1	BZ	BA01A	OU6		7 K		5			2 SID DITCH POOL	49			13	10 S		7				2	1	1		
05/16/94		W	MALLARD	ANPL1	BZ	BD01B	OU6		10 C		5			2 OPEN SHALLOW WATER	54			16	5 W		8				4	4			
05/18/94	738	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12 O		5			2 OPEN SHALLOW WATER	54										10	6	4		
05/20/94	735	W	MALLARD	ANPL1	BZ	POND D-2	OU6		2 T		5			2 OPEN SHALLOW WATER	54										2	2			
05/20/94	708	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7 N		5			2 OPEN SHALLOW WATER	54										2	2			
05/20/94	711	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7 P		5			2 OPEN SHALLOW WATER	54										3	1	2		
05/20/94	712	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7 P		1			2 RECLAIMED MIXED GRASSLAND	324										1				
05/20/94	1006	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10 P		5			2 OPEN SHALLOW WATER	54										2	2			
05/20/94	959	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10 P		5			2 OPEN SHALLOW WATER	54										1				
05/20/94	951	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12 O		5			2 OPEN SHALLOW WATER	54										3	3			
05/20/94	944	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12 Q		5			2 OPEN SHALLOW WATER	54										2	1	1		
05/26/94	1056	W	MALLARD	ANPL1	BZ	POND D-2	OU6		2 T		5			2 OPEN SHALLOW WATER	54			11	5		7				3				
05/26/94	1100	W	MALLARD	ANPL1	BZ	POND D-2	OU6		2 T		5			2 OPEN SHALLOW WATER	54			11	5		7				2	1	1		
05/26/94	1035	W	MALLARD	ANPL1	BZ	POND D-1	OU6		3 S		0			2 DAM RIPRAP	530			11	5		7				2	1	1		

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX	SPECIES	SPEC	ADM	SITE	OP	ROADNAME	RF	RF	ACTI-	ACTI-	DAY	HABITAT	HAB	HABITAT2	HAB	TEMP	WIND	WIND	CLD	WTH	GRND	GRP	NO.	NO.	NO.	NO.	
		GRP		CODE	AREA	NAME	UNIT		GRID N	GRID E	VTY 1	VTY 2	NITE		CODE		CODE2		SPD	DIR	CVR	COND	COND	SIZE	MALE	FM	YNG	UNCLAS	
05/26/94	1425	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			5	5				
05/26/94	1423	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			3					3
05/26/94	1434	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			2	1		1		
05/26/94	1406	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			1	1				
05/26/94	1411	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			1	1				
05/26/94	1416	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			16	5	SE	4			1	1				
05/26/94	919	W	MALLARD	ANPL1	BZ	RW01B			13	T	0		2	INDIANA POND	54			9	10	S	8			1					1
06/01/94	1413	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									4	4				
06/01/94	1350	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54									1	1				
06/01/94	1335	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54									4	2		2		
06/01/94	1335	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54									1	1				
06/01/94	1335	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54									1	1				
06/01/94	1328	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									3	3				
06/01/94	1320	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									3	2		1		
06/01/94	1320	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2	1		1		
06/06/94		W	MALLARD	ANPL1	BZ	BA01R			12	G	0		2	STREAM POOL	43			22	0	0	0			3	3				
06/08/94	905	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									5					5
06/09/94		W	MALLARD	ANPL1	BZ	BG02A			7	K	0		2	DITCH POOL	49			12	10	S	4			1	1				
06/09/94		W	MALLARD	ANPL1	BZ	BA01A	OU5		7	I	1		2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	17						2					2
06/10/94	1016	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			22	5	SE				4	2		2		
06/10/94	1104	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54			22	5	SE				8	3		2	3	
06/13/94	1431	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1	1				
06/13/94	1405	W	MALLARD	ANPL1	BZ	POND B-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									4	2		2		
06/13/94	1405	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									1	1				
06/13/94	950	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									1	1				
06/13/94	950	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2	1		1		
06/13/94	950	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									10	1		1	8	
06/13/94	950	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54									1	1				
06/13/94	950	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54									1	1				
06/13/94	950	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54									2	1		1		
06/14/94		W	MALLARD	ANPL1	BZ	BA01A	OU5		7	I	1	5	2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	19						4					4
06/14/94		W	MALLARD	ANPL1	BZ	BW01A	OU5		7	I	1		2	TALL MARSH	30	MESIC MIXED GRASSLAND	322	19						2					2
06/14/94	620	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54									1	1				
06/14/94	630	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54									5	2		3		
06/14/94	850	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									7			1	6	
06/14/94	850	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									1	1				
06/14/94	1000	W	MALLARD	ANPL1	BZ	RW01B			13	S	1		2	DECIDUOUS WOODLAND	110	MESIC MIXED GRASSLAND	322	28	19	W	6			1					1
06/15/94	760	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			20	2	W	0			5	2		3		
06/15/94	745	W	MALLARD	ANPL1	BZ	SID			7	M	5		2	DITCH	49			20	2	W	0			2	1		1		
06/16/94	1410	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54									2	2				
06/16/94	1420	W	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54									7	1		1	5	
06/16/94	1425	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54									14	5		4	5	
06/23/94	940	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									3	2		1		
06/23/94	940	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									6					6
06/24/94	800	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54									2	1		1		
06/24/94		W	MALLARD	ANPL1	BZ	BG02B	OU11		9	D	1		2	MESIC MIXED GRASSLAND	322			25	10	S				1					1
06/24/94	634	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54									7					

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DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UN	ROADNAME	RF GRID N	RF GRID E	ACTI-VTY 1	ACTI-VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UN			
06/24/94	634	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5	5	2	OPEN SHALLOW WATER	54										1		1				
06/24/94	800	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5	5	2	OPEN SHALLOW WATER	54											1	1				
06/28/94	1524	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	1	5	2	OPEN SHALLOW WATER	54			29	10	SE	1				6						
06/28/94	1514	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54			29	10	SE	1				6		1	5			
06/28/94	1502	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5	5	2	OPEN SHALLOW WATER	54			29	10	SE	1				6		1	5			
06/28/94	1502	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5	5	2	OPEN SHALLOW WATER	54			29	10	SE	1				12		1	11			
06/28/94	1420	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5	5	2	OPEN SHALLOW WATER	54			29	10	SE	1				10	6	4				
06/28/94	1443	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5	5	2	OPEN SHALLOW WATER	54			29	10	SE	1				3		1	2			
06/29/94	645	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5	5	2	OPEN SHALLOW WATER	54											1	1				
06/29/94	648	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5	5	2	OPEN SHALLOW WATER	54											2					
06/29/94	647	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5	5	2	OPEN SHALLOW WATER	54											7	1	6			
06/29/94	1208	W	MALLARD	ANPL1	BZ	POND D-1			3	R	5	5	2	OPEN SHALLOW WATER	54			35	15	NW	1					1	1				
07/01/94	900	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5	5	2	OPEN SHALLOW WATER	54											7	2	5			
07/01/94	900	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5	5	2	OPEN SHALLOW WATER	54											3	1	2			
07/01/94	900	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5	5	2	OPEN SHALLOW WATER	54											1		1			
07/01/94	900	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54											7		1	6		
07/01/94	900	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54											10		2	8		
07/01/94	900	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54											6		1	5		
07/01/94	1005	W	MALLARD	ANPL1	BZ	LANDFILL	OU6&7		12	L	5	5	2	OPEN SHALLOW WATER	54											3	2	1			
07/01/94	1005	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5	5	2	OPEN SHALLOW WATER	54											4	2	2			
07/01/94	1005	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5	5	2	OPEN SHALLOW WATER	54											5	1	2	2		
07/01/94	1005	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5	5	2	OPEN SHALLOW WATER	54											2	2				
07/13/94	740	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5	5	2	OPEN SHALLOW WATER	54			18	2	NW	1					6		1	5		
07/13/94	740	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5	5	2	OPEN SHALLOW WATER	54			18	2	NW	1					6		1	5		
07/13/94	645	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5	5	2	OPEN SHALLOW WATER	54												1		1		
07/13/94	632	W	MALLARD	ANPL1	BZ	SID			8	P	5	5	2	DITCH POOL	47	TALL MARSH	30									5				5	
07/19/94	1315	W	MALLARD	ANPL1	BZ	LANDFILL	OU6&7		12	L	1	5	2	OPEN SHALLOW WATER	54											3	1	2			
07/20/94	1215	W	MALLARD	ANPL1	BZ	LANDFILL	OU6&7		14	G	1	5	2	MESIC MIXED GRASSLAND	322	TALL UPLAND SHRUBLAND	230									18					
07/25/94	808	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5	5	2	OPEN SHALLOW WATER	54			22	0			8				5					
07/25/94	740	W	MALLARD	ANPL1	BZ	POND D-1			3	R	5	5	2	OPEN SHALLOW WATER	54			22	0			8						2			
07/25/94	640	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5	5	2	OPEN SHALLOW WATER	54											1					
07/26/94	1530	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54											7		1	6		
07/26/94	1525	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5	5	2	OPEN SHALLOW WATER	54											6				6	
07/29/94	914	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54												11				
07/29/94	906	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5	5	2	OPEN SHALLOW WATER	54			27	10	E	2					8					
07/29/94	858	W	MALLARD	ANPL1	BZ	RA02B	OU6		11	P	5	5	2	SHORT MARSH	20			27	10	E	2					8					
07/29/94	752	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5	5	2	OPEN SHALLOW WATER	54			27	10	E	2					9					
07/29/94	833	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5	5	2	OPEN SHALLOW WATER	54			27	10	E	2					5					
07/29/94	853	W	MALLARD	ANPL1	BZ	RA02B	OU6		11	Q	0	5	2	BOTTOMLAND SHRUBLAND	210			27	10	E	2					1					
07/29/94	950	W	MALLARD	ANPL1	BZ	RA01B			13	H	5	5	2	OPEN SHALLOW WATER	54			27	10	E	2					1	1				
08/09/94	2010	W	MALLARD	ANPL1	BZ	POND D-2			2	T	0	5	4	OPEN SHALLOW WATER	54			20	10	NW						17					
08/16/94		W	MALLARD	ANPL1	BZ	POND D-1			3	R	0	5	4	OPEN SHALLOW WATER	54			23	10	W		8	2			3		1			
08/19/94	945	W	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5	5	2	OPEN SHALLOW WATER	54											5					
08/22/94	1356	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5	5	2	OPEN SHALLOW WATER	54											4					
08/23/94	830	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5	5	2	OPEN SHALLOW WATER	54												13				
08/23/94	841	W	MALLARD	ANPL1	BZ	POND D-1			3	R	5	5	2	OPEN SHALLOW WATER	54											1					
08/23/94	837	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5	5	2	OPEN SHALLOW WATER	54			16	0							3					

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08/23/94	810	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54										3			
08/23/94	907	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54										12			
08/23/94	630	W	MALLARD	ANPL1	BZ	RW01A	OU5		7	P	1		2	DECIDUOUS WOODLAND	110		16	0							1			
08/23/94	1000	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54										35			
08/23/94	1000	W	MALLARD	ANPL1	BZ	POND B-4	OU6		11	P	5		2	OPEN SHALLOW WATER	54										1			
08/23/94	1005	W	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54										7			
08/23/94	1005	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54										9			
08/23/94	914	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54										17			
08/23/94	1005	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54										1			
08/23/94	1000	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54										2			
08/24/94	844	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			23	0		3				2			
08/24/94	847	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			23	0		3				2			
08/24/94	840	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			23	0		3				4			
08/24/94	853	W	MALLARD	ANPL1	BZ	POND B-1	OU6		10	O	5		2	OPEN SHALLOW WATER	54			23	0		3				8			
08/24/94	743	W	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54			23	0		3				20			
08/24/94	802	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	5		2	OPEN SHALLOW WATER	54			23	0		3				6			
08/24/94	803	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	0		2	MUDFLAT	93			23	0		3				13			
08/24/94	827	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	0		2	MUDFLAT	93			23	0		3				2			
08/24/94	820	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			23	0		3				1			
08/29/94	816	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			20	3	W					12			
08/29/94	839	W	MALLARD	ANPL1	BZ	RS03B			5	S	1		2	MESIC MIXED GRASSLAND	322			23	5	SE					9			
09/13/94	1111	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			24	5	E	6				6			
09/13/94	1045	W	MALLARD	ANPL1	BZ	POND D-1			3	R	6		2	OPEN SHALLOW WATER	54			24	5	E	6				1			
09/21/94	1548	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			12	10	N	8				3			
09/21/94	1606	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			12	10	N	8				3	1	2	
09/21/94	1516	W	MALLARD	ANPL1	BZ	POND A-1	OU6		11	N	5		2	OPEN SHALLOW WATER	54			12	10	N	8				5	2	3	
09/21/94	1525	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	5		2	OPEN SHALLOW WATER	54			12	10	N	8				10	6		
09/22/94	840	W	MALLARD	ANPL1	BZ	RW01B	OU6		13	U	5		2	OPEN SHALLOW WATER	54			2	5	SW					4	2	2	
09/22/94	855	W	MALLARD	ANPL1	BZ	BW01B	OU6		13	U	1		2	MESIC MIXED GRASSLAND	322			2	5	SW					4			
10/05/94	1553	W	MALLARD	ANPL1	BZ	POND B-2	OU6		10	O	5		2	OPEN SHALLOW WATER	54			19	10	S	8				4	1	3	
10/05/94	1550	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			19	10	S	8				2	2		
10/05/94	1517	W	MALLARD	ANPL1	BZ	POND A-3	OU6		12	O	5		2	OPEN SHALLOW WATER	54			19	10	S	8				2			
10/05/94	1505	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	5		2	OPEN SHALLOW WATER	54			19	10	S	8				5	3	2	
10/05/94	1524	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54			19	10	S	8				2	1	1	
10/05/94	1541	W	MALLARD	ANPL1	BZ	POND B-5	OU6		11	Q	5		2	OPEN SHALLOW WATER	54			19	10	S	8				3	1	2	
10/07/94	1054	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			14	5	SE	3				22			
10/10/94	719	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			2	5	NW	0				4	1	3	
10/12/94	1459	W	MALLARD	ANPL1	BZ	POND A-2	OU6		12	O	0		2	OPEN SHALLOW WATER	54										1			
10/14/94	1023	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										8	5	3	
10/24/94	746	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5		2	OPEN SHALLOW WATER	54			-2	3	NW	2				9	3	6	
10/28/94	927	W	MALLARD	ANPL1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54										6	3	3	
10/28/94	957	W	MALLARD	ANPL1	BZ	POND C-1	OU5		7	N	5	0	2	OPEN SHALLOW WATER	54										7	3	4	
10/28/94	1003	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54										1	1		
10/28/94	720	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54										3	2	1	
10/28/94	724	W	MALLARD	ANPL1	BZ	POND A-4	OU6		12	Q	5		2	OPEN SHALLOW WATER	54										1			1
11/08/94	833	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54			3	5	NE			5		5	3	2	
11/08/94	804	W	MALLARD	ANPL1	BZ	LINDSAY			13	H	5		2	OPEN SHALLOW WATER	54			3	5	NE			5		1	1		

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNIT	ROADNAME	RF GRID N	RF GRID E	ACTI- VTY 1	ACTI- VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP SPD	WND DIR	WND CVR	CLD COND	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS
11/14/94	1410	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			2	3	E	8		6	15	8	7		
12/06/94	1019	W	MALLARD	ANPL1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									2	1	1		
12/06/94	1122	W	MALLARD	ANPL1	BZ	POND B-4	OU6		10	P	5		2	OPEN SHALLOW WATER	54									12	6	6		
12/19/94	1607	W	MALLARD	ANPL1	BZ	POND B-3	OU6		10	O	5		2	OPEN SHALLOW WATER	54			10	30	W	2			7	3	4		
03/30/94	1040	W	NORTHERN PINTAIL	ANAC1	BZ	POND D-2			2	T	5	0	2	OPEN SHALLOW WATER	54			12	10	SW				4				4
05/03/94	815	W	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54									2				2
05/03/94	900	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									1				1
05/26/94	1056	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11	5		7			1				1
05/26/94	1411	W	PIED-BILLED GREBE	POPO1	BZ	POND A-3	OU6		12	P	10		2	OPEN SHALLOW WATER	54			16	5	SE	4			2				2
06/01/94	1413	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									2				2
06/01/94	1320	W	PIED-BILLED GREBE	POPO1	BZ	POND A-3	OU6		12	P	5		2	OPEN SHALLOW WATER	54									2				2
06/13/94	1405	W	PIED-BILLED GREBE	POPO1	BZ	POND B-4	OU8		12	O	5		2	OPEN SHALLOW WATER	54									1				1
06/13/94	945	W	PIED-BILLED GREBE	POPO1	BZ	LANDFILL	OU6&7		12	L	5		2	OPEN SHALLOW WATER	54									1				1
06/20/94	800	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									2				2
06/30/94	1227	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			35	15	NW	1			3				3
06/30/94	1210	W	PIED-BILLED GREBE	POPO1	BZ	POND D-1			4	R	5		2	OPEN SHALLOW WATER	54			35	15	NW	1			3				3
07/01/94	900	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1				1
07/01/94	900	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									4		1	3	
07/01/94	1005	W	PIED-BILLED GREBE	POPO1	BZ	LANDFILL	OU6&7		12	L	5		2	OPEN SHALLOW WATER	54									6		1	5	
07/13/94	740	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									3				3
07/13/94	740	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			3				3
07/13/94	740	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			18	2	NW	1			3				3
07/13/94	645	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									7				7
07/19/94	1315	W	PIED-BILLED GREBE	POPO1	BZ	LANDFILL	OU6&7		12	L	1		2	OPEN SHALLOW WATER	54									3		1	2	
07/25/94	808	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			22	0		8			3				3
07/25/94	748	W	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			22	0		8			1				1
07/25/94	640	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									1				1
08/03/94	1550	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									2				2
08/09/94	2010	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	0		4	OPEN SHALLOW WATER	54			20	10	NW				2			1	1
08/23/94	830	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1				1
08/23/94	841	W	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54									1				1
08/23/94	815	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									3				3
08/23/94	907	W	PIED-BILLED GREBE	POPO1	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									14				14
08/28/94	816	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			20	3	W				5				5
08/29/94	752	W	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			20	3	W				3				3
09/13/94	1045	W	PIED-BILLED GREBE	POPO1	BZ	POND D-1			3	R	5		2	OPEN SHALLOW WATER	54			24	5	E	6			2				2
10/07/94	1054	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			14	5	SE	3			1				1
10/14/94	1023	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1				1
10/28/94	927	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									1				1
11/18/94	1010	W	PIED-BILLED GREBE	POPO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									2				2
03/04/94	800	W	REDHEAD	AYAMI	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			10			0		0	4	3	1		
03/18/94	1420	W	REDHEAD	AYAMI	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									26	13	13		
03/18/94	1411	W	REDHEAD	AYAMI	BZ	POND C-2	OU5		7	P	5		2	OPEN SHALLOW WATER	54									8	4	4		
08/20/94	800	W	REDHEAD	AYAMI	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			22	5	NE	6			1	1			
03/18/94	1420	W	RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									12	6	6		
03/31/94	1358	W	RING-NECKED DUCK	AYCO1	BZ	RA01B			13	H	5		2	OPEN SHALLOW WATER	54			13	5	W				3	2	1		
04/18/94	745	W	RING-NECKED DUCK	AYCO1	BZ	BA01R			13	H	5		2	OPEN SHALLOW WATER	54			20	5	NE	4			3	2	1		
05/02/94	1140	W	RING-NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54			11	5	NE	8			2	1	1		

1994 RAW DATA FILE OF NRPCP SIGNIFICANT SPECIES OBSERVATIONS

DATE	TIME	TAX GRP	SPECIES	SPEC CODE	ADM AREA	SITE NAME	OP UNK	ROADNAME	RF GRID N	RF GRID E	ACTI- VTY 1	ACTI- VTY 2	DAY NITE	HABITAT	HAB CODE	HABITAT2	HAB CODE2	TEMP	WIND SPD	WIND DIR	CLD CVR	WTH COND	GRND COND	GRP SIZE	NO. MALE	NO. FEMALE	NO. YNG	NO. UNCLAS
10/14/94	1023	W	RING NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									22	14	8		
10/28/94	927	W	RING NECKED DUCK	AYCO1	BZ	POND D-2			2	T	5		2	OPEN SHALLOW WATER	54									7				

APPENDIX B

Migratory Bird Database

Summary Data for the Breeding Season by Week

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Bottomland Shrub - Leadplant									
COMMONNAME	Jun-94	Week One		Week Two		Week Three		Week Four	
		Number	Density	Number	Density	Number	Density	Number	Density
American Goldfinch		4	0.381	1	1.000	2	0.190	4	0.593
American Robin		N/O	---	1	1.000	1	1.000	N/O	---
Blue Grosbeak		1	0.200	2	0.200	N/O	---	N/O	---
Brewer's Blackbird		2	2.000	N/O	---	N/O	---	N/O	---
Brown-headed Cowbird		N/O	---	5	0.510	N/O	---	N/O	---
Common Grackle		N/O	---	1	0.050	N/O	---	1	0.050
Double-crested Cormorant		N/O	---	N/O	---	1	0.050	N/O	---
Eastern Kingbird		3	1.285	1	0.333	1	1.000	1	1.000
European Starling		2	2.000	7	0.891	2	2.000	2	0.100
Grasshopper Sparrow		1	0.200	3	0.290	3	0.600	1	0.200
Great Horned Owl		1	1.000	N/O	---	N/O	---	N/O	---
House Finch		1	1.000	N/O	---	1	1.000	10	0.885
Killdeer		N/O	---	N/O	---	1	0.050	N/O	---
Mourning Dove		4	4.000	5	1.471	4	0.696	5	2.778
Northern Oriole		2	2.000	3	1.801	4	4.000	9	2.382
Red-winged Blackbird		4	4.000	10	5.000	2	2.000	8	1.103
Song Sparrow		1	1.000	N/O	---	3	0.692	N/O	---
Vesper Sparrow		3	1.801	2	0.125	3	1.801	15	6.083
Western Meadowlark		5	1.190	6	1.637	8	1.684	2	0.333

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Disturbed Sites							
COMMONAME	Jun-94		Week Three	Week Two	Week One	Density	Number
	Density	Number					
Barn Swallow	N/O	---	N/O	2	0.200	---	N/O
Cliff Swallow	N/O	---	N/O	4	0.400	---	N/O
Red-tailed Hawk	N/O	---	1	N/O	---	---	N/O
Rock Wren	N/O	---	1	1	0.400	---	N/O
Say's Phoebe	1	0.286	N/O	---	---	---	N/O
Vesper Sparrow	2	2.000	2	2	2.000	---	N/O
Violet-green Swallow	N/O	---	1	1	0.100	---	N/O
Western Meadowlark	1	0.400	2	2	0.400	---	N/O
			4		0.516	---	N/O

N/O = no observations

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Mesic Mixed Grasslands									
COMMONNAME	Jun-94	Week One		Week Two		Week Three		Week Four	
		Number	Density	Number	Density	Number	Density	Number	Density
American Goldfinch		2	0.071	1	0.250	8	0.160	3	0.428
American Robin		N/O	---	4	0.121	2	0.045	N/O	---
Barn Swallow		8	0.100	5	0.063	3	0.038	2	0.033
Black-billed Magpie		N/O	---	N/O	---	1	0.050	N/O	---
Blue Grosbeak		N/O	---	N/O	---	2	0.048	N/O	---
Brewer's Blackbird		N/O	---	1	0.013	N/O	---	1	0.017
Brown-headed Cowbird		N/O	---	3	0.038	N/O	---	N/O	---
Cassin's Finch		N/O	---	N/O	---	N/O	---	6	0.667
Cliff Swallow		2	0.025	12	0.222	2	0.025	N/O	---
Common Grackle		2	0.025	3	0.038	N/O	---	N/O	---
Common Nighthawk		N/O	---	N/O	---	2	0.083	N/O	---
Common Raven		N/O	---	N/O	---	N/O	---	1	0.017
Common Yellowthroat		2	0.063	N/O	---	N/O	---	N/O	---
European Starling		12	0.221	3	0.055	12	0.150	N/O	---
Golden Eagle		1	0.083	1	0.083	N/O	---	N/O	---
Grasshopper Sparrow		11	0.480	17	0.871	12	0.750	4	0.296
Great Blue Heron		N/O	---	1	0.013	1	0.013	N/O	---
Horned Lark		3	0.075	N/O	---	4	0.400	N/O	---
House Finch		7	0.250	15	0.281	55	1.348	27	1.491
Killdeer		4	0.667	3	0.063	4	0.074	N/O	---
Lesser Goldfinch		N/O	---	N/O	---	N/O	---	2	0.667
Mallard		1	0.028	3	0.050	1	0.013	N/O	---
Mourning Dove		3	0.051	5	0.095	17	0.374	7	0.151
Northern Oriole		4	0.114	4	0.095	2	0.167	3	0.136
Red-tailed Hawk		1	0.013	N/O	---	N/O	---	N/O	---
Red-winged Blackbird		5	0.231	13	0.399	3	0.058	12	0.322
Rock Dove		N/O	---	1	0.013	N/O	---	N/O	---
Say's Phoebe		N/O	---	2	0.083	N/O	---	1	0.067
Song Sparrow		3	0.107	2	0.071	5	0.142	2	0.056
Swainson's Hawk		N/O	---	N/O	---	1	0.013	N/O	---
Vesper Sparrow		9	0.547	32	1.174	26	1.565	30	1.630
Western Kingbird		N/O	---	N/O	---	1	0.028	3	0.428
Western Meadowlark		31	0.843	46	1.313	27	0.964	18	0.565

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Reclaimed Grasslands									
COMMONNAME	Jun-94	Week One		Week Two		Week Three		Week Four	
		Number	Density	Number	Density	Number	Density	Number	Density
American Goldfinch		3	0.060	N/O	---	2	0.100	N/O	---
Barn Swallow		1	0.020	1	0.020	2	0.040	2	0.040
Blue Grosbeak		N/O	---	N/O	---	2	0.133	N/O	---
Brewer's Blackbird		11	0.220	N/O	---	N/O	---	N/O	---
Brown-headed Cowbird		N/O	---	N/O	---	N/O	---	5	0.100
Common Grackle		1	0.020	5	0.105	N/O	---	3	0.092
Common Raven		10	0.200	3	0.060	N/O	---	N/O	---
Eastern Kingbird		1	0.036	N/O	---	N/O	---	N/O	---
European Starling		N/O	---	4	0.080	N/O	---	N/O	---
Grasshopper Sparrow		15	0.989	12	0.702	8	0.624	4	0.356
Great Blue Heron		N/O	---	1	0.020	N/O	---	N/O	---
Horned Lark		1	0.024	N/O	---	N/O	---	N/O	---
House Finch		4	0.096	6	0.277	9	0.306	5	0.112
Killdeer		1	0.024	3	0.084	1	0.020	N/O	---
Mourning Dove		7	0.202	11	0.314	N/O	---	9	0.426
Northern Oriole		1	0.044	1	0.133	1	0.036	1	0.020
Red-winged Blackbird		2	0.076	1	0.020	4	0.128	1	0.031
Say's Phoebe		N/O	---	1	0.020	1	0.044	N/O	---
Song Sparrow		2	0.133	N/O	---	7	0.261	2	0.100
Turkey Vulture		N/O	---	N/O	---	N/O	---	1	0.020
Vesper Sparrow		16	0.931	14	0.713	14	1.225	20	1.081
Western Kingbird		N/O	---	N/O	---	N/O	---	1	0.133
Western Meadowlark		23	1.102	22	0.968	22	1.383	29	1.351

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Upland Shrub									
COMMONNAME	Jun-94	Week One		Week Two		Week Three		Week Four	
		Number	Density	Number	Density	Number	Density	Number	Density
American Goldfinch		11	0.738	15	0.514	11	1.008	30	2.103
American Kestrel		N/O	---	N/O	---	N/O	---	4	0.105
American Robin		N/O	---	1	0.056	N/O	---	1	0.100
Barn Swallow		N/O	---	2	0.050	4	0.100	3	0.075
Black-billed Magpie		10	0.649	6	0.545	11	1.260	13	1.724
Black-capped Chickadee		3	0.500	N/O	---	N/O	---	N/O	---
Blue Grosbeak		2	0.250	N/O	---	N/O	---	N/O	---
Blue-gray Gnatcatcher		N/O	---	2	1.000	N/O	---	N/O	---
Brewer's Blackbird		N/O	---	1	0.167	N/O	---	N/O	---
Brown-headed Cowbird		6	0.409	9	0.506	4	0.571	8	0.653
Chipping Sparrow		N/O	---	1	0.500	N/O	---	N/O	---
Cliff Swallow		N/O	---	2	0.050	1	0.025	4	0.100
Common Raven		N/O	---	1	0.025	N/O	---	1	0.025
Common Snipe		N/O	---	1	0.071	1	0.045	3	0.409
Common Yellowthroat		3	0.409	5	0.219	4	0.400	5	0.379
Dark-eyed Junco		N/O	---	1	0.167	N/O	---	1	0.167
European Starling		2	0.050	2	0.050	N/O	---	N/O	---
Golden Eagle		1	0.025	N/O	---	N/O	---	N/O	---
Grasshopper Sparrow		N/O	---	1	0.500	N/O	---	N/O	---
Great Blue Heron		1	0.025	N/O	---	N/O	---	N/O	---
Green-tailed Towhee		N/O	---	6	0.692	1	0.500	3	1.500
House Finch		2	0.050	6	0.439	N/O	---	4	0.286
Lesser Goldfinch		N/O	---	N/O	---	N/O	---	2	1.000
Mourning Dove		3	0.141	1	0.029	1	0.033	5	0.160
Northern Flicker		2	0.083	1	0.033	2	0.095	1	0.500
Northern Oriole		5	0.595	2	0.143	N/O	---	1	0.500
Red-tailed Hawk		N/O	---	1	0.025	N/O	---	N/O	---
Red-winged Blackbird		26	5.363	24	1.143	17	2.095	19	1.150
Ring-billed Gull		N/O	---	14	0.350	N/O	---	N/O	---
Rufous-sided Towhee		17	2.627	18	2.315	15	1.731	19	2.776
Song Sparrow		16	1.488	24	3.599	19	2.543	28	3.016
Tree Swallow		N/O	---	1	0.025	N/O	---	N/O	---
Vesper Sparrow		1	0.500	1	0.100	1	0.500	5	0.543
Western Kingbird		N/O	---	N/O	---	1	0.045	N/O	---
Western Meadowlark		9	0.431	10	0.500	10	0.526	7	0.544
Yellow Warbler		N/O	---	1	0.038	N/O	---	N/O	---
Yellow-breasted Chat		N/O	---	N/O	---	N/O	---	1	0.500

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Wetlands									
COMMONNAME	Jun-94	Week One		Week Two		Week Three		Week Four	
		Number	Density	Number	Density	Number	Density	Number	Density
American Goldfinch		3	0.273	4	0.111	1	0.030	2	0.050
American Kestrel		N/O	---	N/O	---	1	0.020	3	0.214
Barn Swallow		8	0.147	11	0.193	15	0.250	N/O	---
Black-billed Magpie		1	0.020	N/O	---	1	0.026	N/O	---
Blue Grosbeak		N/O	---	1	0.111	N/O	---	N/O	---
Brown-headed Cowbird		2	0.074	N/O	---	N/O	---	1	0.025
Cinnamon Teal		N/O	---	2	0.667	N/O	---	N/O	---
Cliff Swallow		N/O	---	2	0.033	2	0.033	1	0.025
Common Grackle		N/O	---	1	0.017	1	0.333	2	0.050
Common Snipe		1	0.333	8	0.576	9	0.600	5	1.786
Common Yellowthroat		4	0.296	2	0.222	8	0.627	9	1.397
Double-crested Cormorant		N/O	---	N/O	---	N/O	---	2	0.050
Eastern Kingbird		1	0.067	N/O	---	N/O	---	N/O	---
European Starling		1	0.017	N/O	---	2	0.053	1	0.025
Grasshopper Sparrow		5	0.253	2	0.083	8	0.508	2	0.167
Great Blue Heron		N/O	---	N/O	---	N/O	---	1	0.500
Horned Lark		1	0.067	N/O	---	N/O	---	N/O	---
House Finch		4	0.067	10	0.253	5	0.083	2	0.050
Mallard		7	0.176	4	1.333	N/O	---	N/O	---
Mourning Dove		6	0.188	1	0.017	5	0.189	1	0.500
Northern Flicker		1	0.026	N/O	---	N/O	---	N/O	---
Northern Oriole		2	0.111	N/O	---	1	0.030	1	0.500
Red-tailed Hawk		N/O	---	1	0.017	N/O	---	N/O	---
Red-winged Blackbird		66	5.717	60	4.938	107	8.314	88	9.536
Rock Wren		N/O	---	N/O	---	1	0.017	N/O	---
Rufous-sided Towhee		N/O	---	N/O	---	1	0.026	N/O	---
Say's Phoebe		1	0.037	1	0.111	2	0.667	N/O	---
Song Sparrow		5	0.439	3	0.600	7	0.371	6	0.360
Vesper Sparrow		2	0.095	5	0.174	3	0.120	1	0.100
Western Kingbird		N/O	---	1	0.067	N/O	---	N/O	---
Western Meadowlark		7	0.287	8	0.270	12	0.375	7	0.355

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

Habitat = Woodlands									
COMMONNAME	Jun-94	Week One		Week Two		Week Three		Week Four	
		Number	Density	Number	Density	Number	Density	Number	Density
American Goldfinch		13	1.564	16	1.138	2	0.222	8	0.696
American Kestrel		1	0.333	N/O	---	1	0.333	3	0.173
American Robin		N/O	---	1	0.333	N/O	---	2	0.050
Barn Swallow		9	0.150	19	0.317	4	0.067	1	0.025
Black-billed Magpie		1	0.037	1	0.333	1	0.017	N/O	---
Blue Grosbeak		2	0.667	6	2.000	N/O	---	N/O	---
Brewer's Blackbird		3	0.050	57	2.271	6	0.119	5	0.521
Brown-headed Cowbird		13	1.310	2	0.063	11	2.122	3	1.500
Cliff Swallow		3	0.050	1	0.017	2	0.033	N/O	---
Common Grackle		N/O	---	1	0.017	1	0.333	N/O	---
Common Yellowthroat		1	0.333	N/O	---	N/O	---	N/O	---
Double-crested Cormorant		2	0.033	N/O	---	2	0.033	1	0.025
Eastern Kingbird		2	0.333	N/O	---	1	0.067	N/O	---
European Starling		10	0.556	6	0.160	28	7.258	14	1.885
Great Horned Owl		1	0.333	1	0.333	N/O	---	1	0.500
House Finch		22	1.663	14	4.667	26	6.262	20	10.000
House Wren		1	0.333	N/O	---	N/O	---	N/O	---
Killdeer		N/O	---	1	0.017	2	0.222	N/O	---
Lesser Goldfinch		N/O	---	2	0.667	2	0.667	N/O	---
Mallard		N/O	---	3	0.050	N/O	---	N/O	---
Mourning Dove		3	0.070	9	0.675	8	2.667	13	1.083
Northern Flicker		1	0.333	N/O	---	N/O	---	1	0.025
Northern Oriole		7	1.814	10	3.333	18	3.601	12	2.322
Red-tailed Hawk		3	0.136	1	0.017	1	0.017	1	0.025
Red-winged Blackbird		10	0.262	15	0.806	2	0.063	N/O	---
Rufous-sided Towhee		1	0.111	N/O	---	N/O	---	1	0.500
Say's Phoebe		N/O	---	1	0.022	N/O	---	N/O	---
Song Sparrow		14	2.512	7	2.333	7	0.544	10	4.167
Vesper Sparrow		3	0.200	8	1.778	5	0.641	19	4.402
Warbling Vireo		N/O	---	1	0.333	N/O	---	N/O	---
Western Kingbird		N/O	---	6	0.461	3	0.600	5	1.136
Western Meadowlark		21	0.707	20	1.003	14	1.021	16	1.754
Yellow Warbler		N/O	---	N/O	---	2	0.667	1	0.500

N/O = no observations

Raw Data Summary for the 1994 Breeding Season (Leopold Calculation)

COMMONNAME		Week One		Week Two		Week Three		Week Four	
Number	Density	Number	Density	Number	Density	Number	Density	Number	Density
1	0.077	5	0.155	N/O	---	N/O	---	4	0.134
N/O	---	N/O	---	1	0.019	1	0.055	1	0.019
American Goldfinch									
6	0.185	1	0.019	3	0.058	3	0.058	3	0.058
Barn Swallow									
1	0.385	1	0.023	8	0.648	1	0.026	1	0.026
Black-billed Magpie									
N/O	---	1	0.019	N/O	---	N/O	---	N/O	---
Brewer's Blackbird									
N/O	---	N/O	---	2	0.154	2	0.154	N/O	---
Brown-headed Cowbird									
2	0.038	N/O	---	2	0.038	2	0.038	N/O	---
Cliff Swallow									
1	0.385	N/O	---	1	0.128	1	0.128	N/O	---
Common Nighthawk									
N/O	---	1	0.019	N/O	---	N/O	---	N/O	---
Common Snipe									
N/O	---	N/O	---	N/O	---	N/O	---	N/O	---
Common Yellowthroat									
1	0.019	N/O	---	6	0.407	6	0.407	N/O	---
Golden Eagle									
7	0.650	10	1.012	6	0.407	6	0.407	6	0.866
Grasshopper Sparrow									
1	0.019	N/O	---	N/O	---	N/O	---	N/O	---
Great Blue Heron									
N/O	---	2	0.096	N/O	---	N/O	---	2	0.154
Horned Lark									
5	0.158	N/O	---	4	0.099	4	0.099	N/O	---
House Finch									
1	0.019	1	0.019	2	0.044	2	0.044	2	0.385
Mourning Dove									
7	0.331	1	0.055	1	0.128	1	0.128	N/O	---
Red-winged Blackbird									
1	0.048	1	0.026	2	0.085	2	0.085	N/O	---
Rufous-sided Towhee									
2	0.085	1	0.030	1	0.128	1	0.128	N/O	---
Say's Phoebe									
1	0.128	N/O	---	N/O	---	N/O	---	N/O	---
Song Sparrow									
1	0.019	N/O	---	N/O	---	N/O	---	N/O	---
Swainson's Hawk									
7	0.554	23	3.036	23	2.014	23	2.014	19	1.218
Vesper Sparrow									
N/O	---	1	0.128	N/O	---	N/O	---	N/O	---
Western Kingbird									
16	0.729	21	0.953	19	1.431	19	1.431	12	0.692
Western Meadowlark									
2	0.256	N/O	---	N/O	---	N/O	---	N/O	---
White-crowned Sparrow									

Habitat = Xeric Mixed Grasslands

Migratory Bird Database

Raw Data Summary by Season

RAW DATA SUMMARY FOR WINTER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
WINTER	BHRUB	Great Horned Owl	1	5	DEC
WINTER	MESIC	Northern Flicker	1	87	DEC
WINTER	MESIC	Common Raven	1	100	DEC
WINTER	MESIC	Horned Lark	1	15	DEC
WINTER	MESIC	Bald Eagle	1	100	DEC
WINTER	RECL	Canada Goose	24	2400	DEC
WINTER	RECL	Rock Dove	4	400	DEC
WINTER	RECL	Horned Lark	3	45	DEC
WINTER	RECL	European Starling	2	200	DEC
WINTER	USHRUB	Red-tailed Hawk	1	100	DEC
WINTER	USHRUB	Northern Harrier	1	100	DEC
WINTER	USHRUB	American Goldfinch	6	130	DEC
WINTER	USHRUB	Black-capped Chickadee	2	20	DEC
WINTER	USHRUB	Black-billed Magpie	10	337	DEC
WINTER	WET	Rough-legged Hawk	2	187	DEC
WINTER	WET	Black-billed Magpie	1	5	DEC
WINTER	WOOD	Northern Flicker	1	25	DEC
WINTER	WOOD	Common Snipe	1	5	DEC
WINTER	WOOD	Great Horned Owl	5	35	DEC
WINTER	WOOD	Song Sparrow	2	10	DEC
WINTER	WOOD	Black-billed Magpie	2	10	DEC
WINTER	WOOD	European Starling	13	225	DEC
WINTER	XERIC	Rough-legged Hawk	1	25	DEC
WINTER	BHRUB	Common Raven	1	100	FEB
WINTER	BHRUB	Western Meadowlark	1	15	FEB
WINTER	DIST	Horned Lark	1	25	FEB
WINTER	DIST	Black-billed Magpie	1	65	FEB
WINTER	DIST	American Tree Sparrow	1	15	FEB
WINTER	MESIC	Horned Lark	5	105	FEB
WINTER	RECL	Red-winged Blackbird	1	25	FEB
WINTER	RECL	Common Goldeneye	1	100	FEB
WINTER	USHRUB	Red-winged Blackbird	2	60	FEB
WINTER	USHRUB	House Finch	2	30	FEB
WINTER	USHRUB	Horned Lark	8	800	FEB
WINTER	USHRUB	Bald Eagle	1	100	FEB
WINTER	USHRUB	Black-billed Magpie	4	120	FEB
WINTER	WOOD	Red-winged Blackbird	1	5	FEB
WINTER	WOOD	Rough-legged Hawk	1	5	FEB
WINTER	WOOD	European Starling	9	425	FEB
WINTER	WOOD	Great Horned Owl	2	10	FEB
WINTER	WOOD	Northern Flicker	2	10	FEB
WINTER	XERIC	Horned Lark	11	1100	FEB
WINTER	XERIC	Black-billed Magpie	1	95	FEB
WINTER	XERIC	Western Meadowlark	4	380	FEB
WINTER	XERIC	Canada Goose	111	11100	FEB
WINTER	USHRUB	House Finch	3	75	JAN
WINTER	USHRUB	Dark-eyed Junco	2	30	JAN
WINTER	USHRUB	Black-billed Magpie	2	50	JAN
WINTER	USHRUB	Black-capped Chickadee	12	540	JAN
WINTER	WET	Merlin	1	55	JAN
WINTER	WET	American Tree Sparrow	1	5	JAN

WINTER94.DBF

RAW DATA SUMMARY FOR WINTER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
WINTER	WOOD	Red-tailed Hawk	1	100	JAN
WINTER	WOOD	Common Raven	5	500	JAN
WINTER	WOOD	American Tree Sparrow	2	30	JAN
WINTER	WOOD	Black-capped Chickadee	2	10	JAN
WINTER	WOOD	Black-billed Magpie	1	5	JAN
WINTER	WOOD	Northern Flicker	4	20	JAN
WINTER	XERIC	Golden Eagle	1	100	JAN
WINTER	XERIC	Common Raven	1	100	JAN
WINTER	XERIC	Black-billed Magpie	1	95	JAN

RAW DATA SUMMARY FOR SPRING 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SPRING	BHRUB	Black-billed Magpie	1	100	APR
SPRING	BHRUB	Vesper Sparrow	1	15	APR
SPRING	BHRUB	Mallard	1	5	APR
SPRING	BHRUB	Great Horned Owl	1	5	APR
SPRING	BHRUB	Yellow-rumped Warbler	1	5	APR
SPRING	BHRUB	Song Sparrow	2	30	APR
SPRING	BHRUB	European Starling	1	5	APR
SPRING	BHRUB	Western Kingbird	1	5	APR
SPRING	BHRUB	Chipping Sparrow	8	170	APR
SPRING	BHRUB	Mourning Dove	2	10	APR
SPRING	BHRUB	Red-winged Blackbird	3	15	APR
SPRING	BHRUB	Western Meadowlark	6	40	APR
SPRING	DIST	Mallard	3	300	APR
SPRING	DIST	Mourning Dove	2	200	APR
SPRING	DIST	American Kestrel	1	15	APR
SPRING	DIST	Song Sparrow	1	15	APR
SPRING	DIST	House Finch	1	5	APR
SPRING	DIST	Western Meadowlark	1	5	APR
SPRING	MESIC	Red-winged Blackbird	6	150	APR
SPRING	MESIC	Mallard	2	30	APR
SPRING	MESIC	Golden Eagle	1	100	APR
SPRING	MESIC	Killdeer	1	5	APR
SPRING	MESIC	Common Raven	2	200	APR
SPRING	MESIC	American Kestrel	1	100	APR
SPRING	MESIC	Vesper Sparrow	4	140	APR
SPRING	MESIC	Say's Phoebe	2	30	APR
SPRING	MESIC	Mountain Bluebird	4	60	APR
SPRING	MESIC	European Starling	1	100	APR
SPRING	MESIC	Mourning Dove	3	205	APR
SPRING	MESIC	House Finch	17	825	APR
SPRING	MESIC	Horned Lark	10	315	APR
SPRING	MESIC	Western Meadowlark	14	420	APR
SPRING	RECL	Red-winged Blackbird	8	420	APR
SPRING	RECL	Grasshopper Sparrow	3	45	APR
SPRING	RECL	Mallard	2	200	APR
SPRING	RECL	Canada Goose	6	600	APR
SPRING	RECL	House Finch	2	50	APR
SPRING	RECL	Common Raven	7	700	APR
SPRING	RECL	Brewer's Blackbird	6	600	APR
SPRING	RECL	Barn Swallow	1	100	APR
SPRING	RECL	Song Sparrow	1	25	APR
SPRING	RECL	Say's Phoebe	1	15	APR
SPRING	RECL	American Tree Sparrow	2	50	APR
SPRING	RECL	Chipping Sparrow	1	15	APR
SPRING	RECL	European Starling	4	400	APR
SPRING	RECL	Western Meadowlark	25	1010	APR
SPRING	RECL	Mourning Dove	6	30	APR
SPRING	RECL	Vesper Sparrow	32	650	APR
SPRING	USHRUB	Mallard	2	120	APR
SPRING	USHRUB	House Finch	9	805	APR
SPRING	USHRUB	Northern Flicker	1	95	APR

SPRING94.DBF

RAW DATA SUMMARY FOR SPRING 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SPRING	USHRUB	Brewer's Blackbird	4	315	APR
SPRING	USHRUB	Common Snipe	2	50	APR
SPRING	USHRUB	Black-capped Chickadee	2	50	APR
SPRING	USHRUB	Mourning Dove	3	300	APR
SPRING	USHRUB	Red-winged Blackbird	11	465	APR
SPRING	USHRUB	Song Sparrow	6	120	APR
SPRING	USHRUB	Rufous-sided Towhee	7	145	APR
SPRING	USHRUB	Western Meadowlark	20	950	APR
SPRING	USHRUB	Black-billed Magpie	9	105	APR
SPRING	WET	Great Blue Heron	1	100	APR
SPRING	WET	House Finch	2	200	APR
SPRING	WET	Killdeer	2	105	APR
SPRING	WET	American Kestrel	2	185	APR
SPRING	WET	Barn Swallow	1	100	APR
SPRING	WET	Song Sparrow	3	65	APR
SPRING	WET	Say's Phoebe	1	45	APR
SPRING	WET	Mourning Dove	1	45	APR
SPRING	WET	Mallard	2	10	APR
SPRING	WET	Ring-necked Duck	3	15	APR
SPRING	WET	Greater Scaup	2	10	APR
SPRING	WET	Western Meadowlark	24	900	APR
SPRING	WET	Common Snipe	10	60	APR
SPRING	WET	Red-winged Blackbird	41	595	APR
SPRING	WOOD	Mallard	4	210	APR
SPRING	WOOD	Red-tailed Hawk	1	100	APR
SPRING	WOOD	Northern Harrier	1	85	APR
SPRING	WOOD	American Kestrel	1	5	APR
SPRING	WOOD	Common Snipe	1	5	APR
SPRING	WOOD	Barn Swallow	1	100	APR
SPRING	WOOD	Mourning Dove	9	410	APR
SPRING	WOOD	Red-winged Blackbird	11	230	APR
SPRING	WOOD	Northern Flicker	2	10	APR
SPRING	WOOD	Song Sparrow	5	35	APR
SPRING	WOOD	Brown-headed Cowbird	2	10	APR
SPRING	WOOD	Western Meadowlark	19	1045	APR
SPRING	WOOD	American Robin	3	15	APR
SPRING	XERIC	Red-winged Blackbird	1	100	APR
SPRING	XERIC	Mallard	1	100	APR
SPRING	XERIC	Horned Lark	2	50	APR
SPRING	XERIC	Black-billed Magpie	4	350	APR
SPRING	XERIC	Mourning Dove	8	460	APR
SPRING	XERIC	Vesper Sparrow	20	760	APR
SPRING	XERIC	Western Meadowlark	20	610	APR
SPRING	BSHRUB	Western Meadowlark	5	55	MAR
SPRING	BSHRUB	American Tree Sparrow	3	15	MAR
SPRING	DIST	House Finch	1	15	MAR
SPRING	DIST	Say's Phoebe	2	30	MAR
SPRING	DIST	Mountain Bluebird	1	5	MAR
SPRING	DIST	Western Meadowlark	2	40	MAR
SPRING	DIST	American Robin	3	45	MAR
SPRING	MESIC	House Finch	2	200	MAR

RAW DATA SUMMARY FOR SPRING 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SPRING	MESIC	Horned Lark	3	85	MAR
SPRING	MESIC	American Kestrel	1	65	MAR
SPRING	MESIC	Western Meadowlark	10	330	MAR
SPRING	RECL	Red-winged Blackbird	1	45	MAR
SPRING	RECL	House Finch	2	130	MAR
SPRING	RECL	Say's Phoebe	1	15	MAR
SPRING	RECL	American Robin	1	45	MAR
SPRING	RECL	Western Meadowlark	20	620	MAR
SPRING	USHRUB	Red-winged Blackbird	5	190	MAR
SPRING	USHRUB	Great Horned Owl	1	15	MAR
SPRING	USHRUB	American Goldfinch	5	280	MAR
SPRING	USHRUB	Black-capped Chickadee	2	30	MAR
SPRING	USHRUB	Black-billed Magpie	9	475	MAR
SPRING	USHRUB	Western Meadowlark	5	235	MAR
SPRING	USHRUB	Song Sparrow	9	275	MAR
SPRING	USHRUB	American Robin	2	20	MAR
SPRING	USHRUB	House Finch	6	40	MAR
SPRING	WET	House Finch	1	35	MAR
SPRING	WET	Killdeer	1	15	MAR
SPRING	WET	Northern Flicker	1	15	MAR
SPRING	WET	Horned Lark	2	70	MAR
SPRING	WET	American Kestrel	1	55	MAR
SPRING	WET	Common Snipe	1	5	MAR
SPRING	WET	Song Sparrow	4	100	MAR
SPRING	WET	Black-billed Magpie	2	60	MAR
SPRING	WET	Say's Phoebe	1	65	MAR
SPRING	WET	Western Meadowlark	11	425	MAR
SPRING	WET	European Starling	6	515	MAR
SPRING	WET	Red-winged Blackbird	20	610	MAR
SPRING	WET	Mallard	2	10	MAR
SPRING	WOOD	Red-winged Blackbird	5	85	MAR
SPRING	WOOD	House Finch	1	85	MAR
SPRING	WOOD	Northern Flicker	1	5	MAR
SPRING	WOOD	Dark-eyed Junco	1	5	MAR
SPRING	WOOD	Ring-necked Pheasant	1	15	MAR
SPRING	WOOD	Black-billed Magpie	3	45	MAR
SPRING	WOOD	American Robin	2	20	MAR
SPRING	WOOD	Red-tailed Hawk	2	10	MAR
SPRING	WOOD	Western Meadowlark	17	525	MAR
SPRING	WOOD	Song Sparrow	7	35	MAR
SPRING	WOOD	European Starling	20	285	MAR
SPRING	XERIC	Red-tailed Hawk	1	100	MAR
SPRING	XERIC	House Finch	4	270	MAR
SPRING	XERIC	Black-billed Magpie	1	100	MAR
SPRING	XERIC	Western Meadowlark	21	1880	MAR
SPRING	B SHRUB	House Finch	1	5	MAY
SPRING	B SHRUB	Vesper Sparrow	1	5	MAY
SPRING	B SHRUB	European Starling	2	10	MAY
SPRING	B SHRUB	Song Sparrow	4	30	MAY
SPRING	B SHRUB	Western Meadowlark	5	45	MAY
SPRING	B SHRUB	Mourning Dove	5	25	MAY

RAW DATA SUMMARY FOR SPRING 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SPRING	DIST	Spotted Sandpiper	1	45	MAY
SPRING	DIST	Red-winged Blackbird	1	35	MAY
SPRING	DIST	Mallard	2	110	MAY
SPRING	DIST	Rock Wren	2	30	MAY
SPRING	DIST	Mourning Dove	3	150	MAY
SPRING	DIST	Vesper Sparrow	5	75	MAY
SPRING	DIST	House Finch	3	25	MAY
SPRING	MESIC	Red-winged Blackbird	7	235	MAY
SPRING	MESIC	Grasshopper Sparrow	7	285	MAY
SPRING	MESIC	Mallard	3	75	MAY
SPRING	MESIC	Golden Eagle	1	15	MAY
SPRING	MESIC	Red-tailed Hawk	3	205	MAY
SPRING	MESIC	Turkey Vulture	1	45	MAY
SPRING	MESIC	House Finch	12	640	MAY
SPRING	MESIC	Common Raven	3	260	MAY
SPRING	MESIC	Horned Lark	5	330	MAY
SPRING	MESIC	Merlin	1	55	MAY
SPRING	MESIC	Barn Swallow	5	275	MAY
SPRING	MESIC	Song Sparrow	3	105	MAY
SPRING	MESIC	Say's Phoebe	2	135	MAY
SPRING	MESIC	European Starling	9	305	MAY
SPRING	MESIC	Western Kingbird	3	75	MAY
SPRING	MESIC	Western Meadowlark	28	1360	MAY
SPRING	MESIC	Mourning Dove	16	530	MAY
SPRING	MESIC	Vesper Sparrow	30	685	MAY
SPRING	RECL	Grasshopper Sparrow	1	15	MAY
SPRING	RECL	Great Blue Heron	1	100	MAY
SPRING	RECL	Canada Goose	3	300	MAY
SPRING	RECL	Turkey Vulture	2	200	MAY
SPRING	RECL	House Finch	5	500	MAY
SPRING	RECL	Barn Swallow	1	100	MAY
SPRING	RECL	Song Sparrow	4	185	MAY
SPRING	RECL	Eastern Phoebe	1	25	MAY
SPRING	RECL	Say's Phoebe	2	40	MAY
SPRING	RECL	Mourning Dove	5	215	MAY
SPRING	RECL	Vesper Sparrow	12	220	MAY
SPRING	RECL	Western Meadowlark	14	400	MAY
SPRING	USHRUB	House Finch	3	120	MAY
SPRING	USHRUB	American Goldfinch	9	805	MAY
SPRING	USHRUB	Common Yellowthroat	4	140	MAY
SPRING	USHRUB	Dark-eyed Junco	1	15	MAY
SPRING	USHRUB	Brown-headed Cowbird	1	15	MAY
SPRING	USHRUB	Black-capped Chickadee	2	50	MAY
SPRING	USHRUB	Green-tailed Towhee	1	15	MAY
SPRING	USHRUB	Vesper Sparrow	2	40	MAY
SPRING	USHRUB	Say's Phoebe	1	45	MAY
SPRING	USHRUB	Mourning Dove	3	55	MAY
SPRING	USHRUB	Northern Flicker	1	5	MAY
SPRING	USHRUB	Yellow-rumped Warbler	3	35	MAY
SPRING	USHRUB	Yellow Warbler	1	5	MAY
SPRING	USHRUB	Brewer's Blackbird	1	5	MAY

RAW DATA SUMMARY FOR SPRING 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SPRING	USHRUB	Common Snipe	4	70	MAY
SPRING	USHRUB	Northern Oriole	1	5	MAY
SPRING	USHRUB	Song Sparrow	7	85	MAY
SPRING	USHRUB	Black-billed Magpie	5	55	MAY
SPRING	USHRUB	Blue-gray Gnatcatcher	1	5	MAY
SPRING	USHRUB	Chipping Sparrow	2	10	MAY
SPRING	USHRUB	Western Meadowlark	9	275	MAY
SPRING	USHRUB	Wilson's Warbler	2	10	MAY
SPRING	USHRUB	Red-winged Blackbird	21	425	MAY
SPRING	USHRUB	Rufous-sided Towhee	17	145	MAY
SPRING	WET	Canada Goose	3	165	MAY
SPRING	WET	Swainson's Hawk	1	100	MAY
SPRING	WET	House Finch	2	110	MAY
SPRING	WET	American Goldfinch	2	50	MAY
SPRING	WET	Killdeer	1	25	MAY
SPRING	WET	Northern Flicker	1	75	MAY
SPRING	WET	Brewer's Blackbird	1	15	MAY
SPRING	WET	American Kestrel	1	35	MAY
SPRING	WET	Barn Swallow	7	700	MAY
SPRING	WET	Song Sparrow	7	185	MAY
SPRING	WET	Brown-headed Cowbird	2	30	MAY
SPRING	WET	Rufous-sided Towhee	1	95	MAY
SPRING	WET	Black-billed Magpie	1	75	MAY
SPRING	WET	Vesper Sparrow	1	15	MAY
SPRING	WET	Common Grackle	2	70	MAY
SPRING	WET	Say's Phoebe	1	100	MAY
SPRING	WET	Western Meadowlark	3	125	MAY
SPRING	WET	European Starling	19	1720	MAY
SPRING	WET	American Robin	1	25	MAY
SPRING	WET	Mourning Dove	4	205	MAY
SPRING	WET	Mallard	4	20	MAY
SPRING	WET	Common Snipe	7	105	MAY
SPRING	WET	Common Yellowthroat	9	245	MAY
SPRING	WET	Chipping Sparrow	3	15	MAY
SPRING	WET	Red-winged Blackbird	77	1735	MAY
SPRING	WOOD	Red-winged Blackbird	5	280	MAY
SPRING	WOOD	Mallard	3	110	MAY
SPRING	WOOD	Red-tailed Hawk	1	5	MAY
SPRING	WOOD	Lesser Goldfinch	1	15	MAY
SPRING	WOOD	Common Raven	1	100	MAY
SPRING	WOOD	Brewer's Blackbird	3	160	MAY
SPRING	WOOD	Common Yellowthroat	1	5	MAY
SPRING	WOOD	Blue Grosbeak	1	5	MAY
SPRING	WOOD	Cliff Swallow	1	100	MAY
SPRING	WOOD	Barn Swallow	3	300	MAY
SPRING	WOOD	Double-crested Cormorant	1	100	MAY
SPRING	WOOD	Rufous-sided Towhee	2	20	MAY
SPRING	WOOD	Common Grackle	1	5	MAY
SPRING	WOOD	House Wren	1	5	MAY
SPRING	WOOD	Wilson's Warbler	1	5	MAY
SPRING	WOOD	House Finch	9	265	MAY

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RAW DATA SUMMARY FOR SPRING 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SPRING	WOOD	American Goldfinch	9	245	MAY
SPRING	WOOD	Northern Flicker	4	20	MAY
SPRING	WOOD	Yellow Warbler	3	15	MAY
SPRING	WOOD	Northern Oriole	3	15	MAY
SPRING	WOOD	Brown-headed Cowbird	2	10	MAY
SPRING	WOOD	Vesper Sparrow	9	145	MAY
SPRING	WOOD	American Robin	3	15	MAY
SPRING	WOOD	Mourning Dove	19	640	MAY
SPRING	WOOD	Song Sparrow	10	70	MAY
SPRING	WOOD	Western Meadowlark	29	705	MAY
SPRING	WOOD	European Starling	20	350	MAY
SPRING	XERIC	Red-winged Blackbird	1	35	MAY
SPRING	XERIC	Grasshopper Sparrow	1	35	MAY
SPRING	XERIC	Killdeer	2	70	MAY
SPRING	XERIC	Northern Flicker	1	45	MAY
SPRING	XERIC	Rock Dove	1	100	MAY
SPRING	XERIC	Horned Lark	1	35	MAY
SPRING	XERIC	Cliff Swallow	2	200	MAY
SPRING	XERIC	Barn Swallow	1	100	MAY
SPRING	XERIC	Northern Oriole	1	100	MAY
SPRING	XERIC	Song Sparrow	1	45	MAY
SPRING	XERIC	House Sparrow	1	15	MAY
SPRING	XERIC	Rufous-sided Towhee	1	35	MAY
SPRING	XERIC	European Starling	2	105	MAY
SPRING	XERIC	Mourning Dove	3	170	MAY
SPRING	XERIC	Western Meadowlark	25	1195	MAY
SPRING	XERIC	Vesper Sparrow	26	790	MAY
SPRING	XERIC	House Finch	20	290	MAY

RAW DATA SUMMARY FOR FALL 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
FALL	B SHRUB	European Starling	1	15	NOV
FALL	B SHRUB	Chipping Sparrow	1	5	NOV
FALL	MESIC	Red-tailed Hawk	1	25	NOV
FALL	MESIC	Common Raven	1	100	NOV
FALL	MESIC	Rock Dove	1	100	NOV
FALL	MESIC	Horned Lark	3	300	NOV
FALL	MESIC	Bald Eagle	1	100	NOV
FALL	MESIC	Song Sparrow	5	125	NOV
FALL	MESIC	Canada Goose	153	15300	NOV
FALL	RECL	Northern Flicker	1	35	NOV
FALL	RECL	American Crow	2	200	NOV
FALL	RECL	Horned Lark	2	200	NOV
FALL	U SHRUB	Northern Harrier	1	100	NOV
FALL	U SHRUB	Canada Goose	25	2500	NOV
FALL	U SHRUB	Red-tailed Hawk	1	5	NOV
FALL	U SHRUB	House Finch	5	65	NOV
FALL	U SHRUB	Song Sparrow	1	5	NOV
FALL	U SHRUB	Short-eared Owl	3	15	NOV
FALL	U SHRUB	Black-capped Chickadee	3	15	NOV
FALL	U SHRUB	Black-billed Magpie	6	50	NOV
FALL	WET	Canada Goose	7	700	NOV
FALL	WET	Northern Harrier	1	100	NOV
FALL	WET	Franklin's Gull	15	1500	NOV
FALL	WET	Black-billed Magpie	2	112	NOV
FALL	WOOD	Red-tailed Hawk	1	25	NOV
FALL	WOOD	Great Horned Owl	3	129	NOV
FALL	WOOD	House Finch	2	30	NOV
FALL	WOOD	American Crow	6	600	NOV
FALL	WOOD	Song Sparrow	7	510	NOV
FALL	WOOD	Black-capped Chickadee	1	5	NOV
FALL	WOOD	Northern Flicker	3	25	NOV
FALL	WOOD	Black-billed Magpie	2	10	NOV
FALL	WOOD	American Tree Sparrow	3	15	NOV
FALL	XERIC	Rough-legged Hawk	1	100	NOV
FALL	XERIC	Black-billed Magpie	1	25	NOV
FALL	XERIC	Canada Goose	19	1900	NOV
FALL	XERIC	Pine Siskin	3	45	NOV
FALL	XERIC	Horned Lark	2	10	NOV
FALL	B SHRUB	Western Meadowlark	1	35	OCT
FALL	B SHRUB	Chipping Sparrow	2	20	OCT
FALL	B SHRUB	European Starling	1	5	OCT
FALL	B SHRUB	House Finch	2	10	OCT
FALL	MESIC	Grasshopper Sparrow	1	5	OCT
FALL	MESIC	Golden Eagle	1	87	OCT
FALL	MESIC	American Crow	2	107	OCT
FALL	MESIC	Dark-eyed Junco	1	45	OCT
FALL	MESIC	Vesper Sparrow	1	100	OCT
FALL	MESIC	Western Meadowlark	6	135	OCT
FALL	RECL	Canada Goose	15	1500	OCT
FALL	RECL	Red-tailed Hawk	1	87	OCT
FALL	RECL	House Finch	3	45	OCT

RAW DATA SUMMARY FOR FALL 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
FALL	RECL	Vesper Sparrow	8	670	OCT
FALL	RECL	Western Meadowlark	12	504	OCT
FALL	USHRUB	Red-winged Blackbird	3	300	OCT
FALL	USHRUB	House Finch	5	150	OCT
FALL	USHRUB	Northern Harrier	1	100	OCT
FALL	USHRUB	Sage Thrasher	10	1000	OCT
FALL	USHRUB	Black-capped Chickadee	2	77	OCT
FALL	USHRUB	Vesper Sparrow	2	125	OCT
FALL	USHRUB	Ruby-crowned Kinglet	1	15	OCT
FALL	USHRUB	Rock Wren	1	25	OCT
FALL	USHRUB	Western Meadowlark	2	125	OCT
FALL	USHRUB	American Robin	1	25	OCT
FALL	USHRUB	Mourning Dove	1	100	OCT
FALL	USHRUB	Red-tailed Hawk	1	5	OCT
FALL	USHRUB	Great Horned Owl	1	5	OCT
FALL	USHRUB	Yellow Warbler	1	5	OCT
FALL	USHRUB	American Kestrel	1	5	OCT
FALL	USHRUB	Common Yellowthroat	1	5	OCT
FALL	USHRUB	Dark-eyed Junco	4	40	OCT
FALL	USHRUB	Song Sparrow	1	5	OCT
FALL	USHRUB	Rufous-sided Towhee	3	25	OCT
FALL	USHRUB	Black-billed Magpie	10	447	OCT
FALL	WET	House Finch	6	320	OCT
FALL	WET	American Crow	6	600	OCT
FALL	WET	American Kestrel	2	90	OCT
FALL	WET	Black-billed Magpie	1	25	OCT
FALL	WET	Western Meadowlark	2	70	OCT
FALL	WET	European Starling	9	405	OCT
FALL	WET	Song Sparrow	2	10	OCT
FALL	WET	Red-winged Blackbird	8	40	OCT
FALL	WOOD	House Finch	2	50	OCT
FALL	WOOD	American Kestrel	1	5	OCT
FALL	WOOD	Song Sparrow	1	5	OCT
FALL	WOOD	Black-billed Magpie	2	200	OCT
FALL	WOOD	Ruby-crowned Kinglet	1	5	OCT
FALL	WOOD	Western Meadowlark	3	205	OCT
FALL	WOOD	European Starling	5	305	OCT
FALL	WOOD	House Wren	1	5	OCT
FALL	WOOD	American Robin	1	5	OCT
FALL	WOOD	Northern Flicker	2	10	OCT
FALL	WOOD	Dark-eyed Junco	4	20	OCT
FALL	WOOD	Rufous-sided Towhee	2	10	OCT
FALL	WOOD	American Tree Sparrow	2	10	OCT
FALL	XERIC	Red-tailed Hawk	1	100	OCT
FALL	XERIC	House Finch	2	200	OCT
FALL	XERIC	Northern Harrier	2	115	OCT
FALL	XERIC	American Kestrel	1	100	OCT
FALL	XERIC	Sage Thrasher	3	300	OCT
FALL	XERIC	Black-billed Magpie	6	600	OCT
FALL	XERIC	Vesper Sparrow	3	85	OCT
FALL	XERIC	Western Meadowlark	4	194	OCT

RAW DATA SUMMARY FOR FALL 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
FALL	B SHRUB	Barn Swallow	1	100	SEP
FALL	B SHRUB	Black-capped Chickadee	1	15	SEP
FALL	B SHRUB	Great Horned Owl	1	5	SEP
FALL	B SHRUB	American Goldfinch	2	30	SEP
FALL	B SHRUB	Vesper Sparrow	2	30	SEP
FALL	B SHRUB	Western Meadowlark	5	115	SEP
FALL	B SHRUB	European Starling	5	25	SEP
FALL	DIST	American Kestrel	1	100	SEP
FALL	DIST	Say's Phoebe	1	35	SEP
FALL	DIST	Rock Wren	2	20	SEP
FALL	DIST	Western Meadowlark	4	100	SEP
FALL	MESIC	Red-winged Blackbird	1	25	SEP
FALL	MESIC	Grasshopper Sparrow	1	5	SEP
FALL	MESIC	Black-billed Magpie	1	25	SEP
FALL	MESIC	Western Meadowlark	11	412	SEP
FALL	MESIC	Mourning Dove	2	30	SEP
FALL	MESIC	House Finch	55	3709	SEP
FALL	MESIC	Vesper Sparrow	9	197	SEP
FALL	RECL	Great Horned Owl	1	87	SEP
FALL	RECL	House Finch	4	180	SEP
FALL	RECL	Common Raven	4	400	SEP
FALL	RECL	Vesper Sparrow	3	75	SEP
FALL	RECL	Rock Wren	1	35	SEP
FALL	RECL	Mourning Dove	1	100	SEP
FALL	RECL	Western Meadowlark	14	633	SEP
FALL	U SHRUB	Ferruginous Hawk	1	45	SEP
FALL	U SHRUB	Yellow Warbler	1	35	SEP
FALL	U SHRUB	Black-capped Chickadee	2	50	SEP
FALL	U SHRUB	Green-tailed Towhee	1	45	SEP
FALL	U SHRUB	Black-billed Magpie	1	25	SEP
FALL	U SHRUB	Vesper Sparrow	3	215	SEP
FALL	U SHRUB	Say's Phoebe	1	25	SEP
FALL	U SHRUB	Chipping Sparrow	1	15	SEP
FALL	U SHRUB	Mourning Dove	1	25	SEP
FALL	U SHRUB	White-crowned Sparrow	1	15	SEP
FALL	U SHRUB	American Robin	10	280	SEP
FALL	U SHRUB	Wilson's Warbler	6	90	SEP
FALL	U SHRUB	Song Sparrow	13	235	SEP
FALL	U SHRUB	Rufous-sided Towhee	14	190	SEP
FALL	WET	Red-winged Blackbird	1	15	SEP
FALL	WET	Great Horned Owl	1	25	SEP
FALL	WET	House Finch	2	50	SEP
FALL	WET	Northern Harrier	1	5	SEP
FALL	WET	Blue Jay	1	87	SEP
FALL	WET	Barn Swallow	5	500	SEP
FALL	WET	Sage Thrasher	1	5	SEP
FALL	WET	Rufous-sided Towhee	1	25	SEP
FALL	WET	Black-billed Magpie	2	20	SEP
FALL	WET	Vesper Sparrow	2	50	SEP
FALL	WET	Say's Phoebe	1	35	SEP
FALL	WET	Western Meadowlark	3	232	SEP

RAW DATA SUMMARY FOR FALL 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
FALL	WET	European Starling	2	50	SEP
FALL	WET	White-crowned Sparrow	1	5	SEP
FALL	WET	Song Sparrow	8	120	SEP
FALL	WET	Rock Wren	2	10	SEP
FALL	WOOD	Mallard	4	400	SEP
FALL	WOOD	Red-tailed Hawk	1	100	SEP
FALL	WOOD	American Kestrel	1	5	SEP
FALL	WOOD	Barn Swallow	1	100	SEP
FALL	WOOD	Black-billed Magpie	2	30	SEP
FALL	WOOD	Vesper Sparrow	1	100	SEP
FALL	WOOD	European Starling	6	420	SEP
FALL	WOOD	American Robin	2	60	SEP
FALL	WOOD	Solitary Vireo	1	15	SEP
FALL	WOOD	Wilson's Warbler	1	5	SEP
FALL	WOOD	Mourning Dove	1	5	SEP
FALL	WOOD	White-crowned Sparrow	1	5	SEP
FALL	WOOD	Northern Flicker	3	15	SEP
FALL	WOOD	Yellow-rumped Warbler	4	20	SEP
FALL	WOOD	Black-throated Gray Warbler	2	10	SEP
FALL	WOOD	Yellow Warbler	2	10	SEP
FALL	WOOD	Song Sparrow	2	10	SEP
FALL	WOOD	Rufous-sided Towhee	2	10	SEP
FALL	WOOD	Sora	2	10	SEP
FALL	WOOD	Rock Wren	2	10	SEP
FALL	WOOD	Chipping Sparrow	2	10	SEP
FALL	WOOD	Western Meadowlark	12	410	SEP
FALL	WOOD	House Finch	21	295	SEP
FALL	XERIC	Red-tailed Hawk	1	100	SEP
FALL	XERIC	House Finch	3	186	SEP
FALL	XERIC	Common Raven	1	100	SEP
FALL	XERIC	Sage Thrasher	2	115	SEP
FALL	XERIC	Say's Phoebe	2	60	SEP
FALL	XERIC	Western Meadowlark	3	160	SEP
FALL	XERIC	European Starling	1	100	SEP
FALL	XERIC	American Robin	1	25	SEP
FALL	XERIC	Chipping Sparrow	12	180	SEP

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	B SHRUB	Common Raven	2	200	AUG
SUMMER	B SHRUB	Barn Swallow	1	100	AUG
SUMMER	B SHRUB	Northern Oriole	1	15	AUG
SUMMER	B SHRUB	European Starling	1	100	AUG
SUMMER	B SHRUB	Mourning Dove	3	110	AUG
SUMMER	B SHRUB	House Finch	2	30	AUG
SUMMER	B SHRUB	Blue Grosbeak	1	5	AUG
SUMMER	B SHRUB	Green-tailed Towhee	1	5	AUG
SUMMER	B SHRUB	Western Meadowlark	1	5	AUG
SUMMER	B SHRUB	House Wren	1	5	AUG
SUMMER	B SHRUB	American Goldfinch	2	10	AUG
SUMMER	B SHRUB	Vesper Sparrow	4	40	AUG
SUMMER	B SHRUB	Yellow Warbler	3	15	AUG
SUMMER	B SHRUB	Red-winged Blackbird	31	155	AUG
SUMMER	DIST	Killdeer	1	25	AUG
SUMMER	DIST	European Starling	1	100	AUG
SUMMER	DIST	Vesper Sparrow	1	15	AUG
SUMMER	DIST	Brewer's Sparrow	1	15	AUG
SUMMER	DIST	Song Sparrow	1	5	AUG
SUMMER	DIST	Broad-tailed Hummingbird	1	5	AUG
SUMMER	MESIC	Grasshopper Sparrow	1	35	AUG
SUMMER	MESIC	Rough-legged Hawk	1	35	AUG
SUMMER	MESIC	House Finch	1	100	AUG
SUMMER	MESIC	Lark Bunting	3	45	AUG
SUMMER	MESIC	Common Nighthawk	1	15	AUG
SUMMER	MESIC	Horned Lark	9	275	AUG
SUMMER	MESIC	Song Sparrow	1	25	AUG
SUMMER	MESIC	Say's Phoebe	1	25	AUG
SUMMER	MESIC	Chipping Sparrow	1	5	AUG
SUMMER	MESIC	Western Meadowlark	9	400	AUG
SUMMER	MESIC	Mourning Dove	2	50	AUG
SUMMER	MESIC	Vesper Sparrow	51	705	AUG
SUMMER	RECL	Red-winged Blackbird	4	400	AUG
SUMMER	RECL	Grasshopper Sparrow	1	35	AUG
SUMMER	RECL	House Finch	5	115	AUG
SUMMER	RECL	American Goldfinch	2	30	AUG
SUMMER	RECL	Rock Dove	2	200	AUG
SUMMER	RECL	American Kestrel	1	100	AUG
SUMMER	RECL	Cliff Swallow	10	1000	AUG
SUMMER	RECL	Barn Swallow	2	200	AUG
SUMMER	RECL	Vesper Sparrow	5	225	AUG
SUMMER	RECL	Western Meadowlark	4	160	AUG
SUMMER	RECL	Canada Goose	30	3000	AUG
SUMMER	USHRUB	Red-winged Blackbird	1	15	AUG
SUMMER	USHRUB	American Goldfinch	4	240	AUG
SUMMER	USHRUB	Common Nighthawk	2	200	AUG
SUMMER	USHRUB	Blue Grosbeak	1	15	AUG
SUMMER	USHRUB	Cliff Swallow	1	100	AUG
SUMMER	USHRUB	Barn Swallow	1	100	AUG
SUMMER	USHRUB	Northern Oriole	2	30	AUG
SUMMER	USHRUB	Yellow-breasted Chat	1	15	AUG

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	USHRUB	Black-billed Magpie	2	30	AUG
SUMMER	USHRUB	Vesper Sparrow	3	105	AUG
SUMMER	USHRUB	Western Meadowlark	3	115	AUG
SUMMER	USHRUB	Short-eared Owl	1	5	AUG
SUMMER	USHRUB	House Finch	16	570	AUG
SUMMER	USHRUB	Lesser Goldfinch	6	80	AUG
SUMMER	USHRUB	Common Yellowthroat	4	40	AUG
SUMMER	USHRUB	Downy Woodpecker	1	5	AUG
SUMMER	USHRUB	Chipping Sparrow	2	20	AUG
SUMMER	USHRUB	American Robin	4	70	AUG
SUMMER	USHRUB	Western Kingbird	1	5	AUG
SUMMER	USHRUB	Mourning Dove	7	145	AUG
SUMMER	USHRUB	Sage Thrasher	19	480	AUG
SUMMER	USHRUB	Black-capped Chickadee	9	85	AUG
SUMMER	USHRUB	Song Sparrow	15	105	AUG
SUMMER	USHRUB	Rufous-sided Towhee	26	310	AUG
SUMMER	WET	Red-winged Blackbird	10	335	AUG
SUMMER	WET	Common Nighthawk	1	5	AUG
SUMMER	WET	Common Raven	1	100	AUG
SUMMER	WET	Blue Grosbeak	1	5	AUG
SUMMER	WET	Cliff Swallow	2	200	AUG
SUMMER	WET	Barn Swallow	10	1000	AUG
SUMMER	WET	Vesper Sparrow	7	215	AUG
SUMMER	WET	Rock Wren	2	90	AUG
SUMMER	WET	Say's Phoebe	1	65	AUG
SUMMER	WET	Broad-tailed Hummingbird	1	5	AUG
SUMMER	WET	Brewer's Sparrow	5	500	AUG
SUMMER	WET	Western Meadowlark	5	75	AUG
SUMMER	WET	House Finch	9	65	AUG
SUMMER	WOOD	Great Blue Heron	1	15	AUG
SUMMER	WOOD	Red-tailed Hawk	1	100	AUG
SUMMER	WOOD	Northern Flicker	1	100	AUG
SUMMER	WOOD	Blue Grosbeak	2	20	AUG
SUMMER	WOOD	Barn Swallow	11	1100	AUG
SUMMER	WOOD	Loggerhead Shrike	1	5	AUG
SUMMER	WOOD	Song Sparrow	1	5	AUG
SUMMER	WOOD	Rufous-sided Towhee	1	5	AUG
SUMMER	WOOD	Black-billed Magpie	2	105	AUG
SUMMER	WOOD	Sora	1	5	AUG
SUMMER	WOOD	Say's Phoebe	1	5	AUG
SUMMER	WOOD	Western Meadowlark	5	140	AUG
SUMMER	WOOD	American Goldfinch	14	645	AUG
SUMMER	WOOD	Yellow Warbler	4	30	AUG
SUMMER	WOOD	Vesper Sparrow	7	75	AUG
SUMMER	WOOD	Chipping Sparrow	4	20	AUG
SUMMER	WOOD	American Robin	3	15	AUG
SUMMER	WOOD	Eastern Kingbird	2	10	AUG
SUMMER	WOOD	Western Kingbird	2	10	AUG
SUMMER	WOOD	Mourning Dove	15	355	AUG
SUMMER	WOOD	Northern Oriole	7	35	AUG
SUMMER	WOOD	European Starling	20	280	AUG

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	WOOD	Sage Thrasher	10	50	AUG
SUMMER	WOOD	House Finch	50	260	AUG
SUMMER	XERIC	American Goldfinch	1	100	AUG
SUMMER	XERIC	Killdeer	1	15	AUG
SUMMER	XERIC	Northern Harrier	2	30	AUG
SUMMER	XERIC	Horned Lark	1	5	AUG
SUMMER	XERIC	Barn Swallow	5	500	AUG
SUMMER	XERIC	Song Sparrow	1	100	AUG
SUMMER	XERIC	Chipping Sparrow	2	30	AUG
SUMMER	XERIC	Western Meadowlark	4	260	AUG
SUMMER	XERIC	Sage Thrasher	4	60	AUG
SUMMER	XERIC	House Finch	27	630	AUG
SUMMER	XERIC	Vesper Sparrow	25	660	AUG
SUMMER	BHRUB	Grasshopper Sparrow	2	60	JUL
SUMMER	BHRUB	American Goldfinch	2	105	JUL
SUMMER	BHRUB	Western Meadowlark	6	425	JUL
SUMMER	BHRUB	Western Kingbird	1	25	JUL
SUMMER	BHRUB	Mourning Dove	4	305	JUL
SUMMER	BHRUB	House Finch	6	315	JUL
SUMMER	BHRUB	Red-winged Blackbird	2	10	JUL
SUMMER	BHRUB	Vesper Sparrow	6	40	JUL
SUMMER	BHRUB	Northern Oriole	5	25	JUL
SUMMER	MESIC	Red-winged Blackbird	14	1230	JUL
SUMMER	MESIC	Great Blue Heron	1	100	JUL
SUMMER	MESIC	Red-tailed Hawk	2	200	JUL
SUMMER	MESIC	Pectoral Sandpiper	2	200	JUL
SUMMER	MESIC	American Goldfinch	5	500	JUL
SUMMER	MESIC	Horned Lark	2	30	JUL
SUMMER	MESIC	American Kestrel	1	100	JUL
SUMMER	MESIC	Cliff Swallow	19	1835	JUL
SUMMER	MESIC	Barn Swallow	2	200	JUL
SUMMER	MESIC	Broad-tailed Hummingbird	1	5	JUL
SUMMER	MESIC	Western Meadowlark	3	65	JUL
SUMMER	MESIC	European Starling	4	335	JUL
SUMMER	MESIC	Western Kingbird	7	255	JUL
SUMMER	MESIC	Mourning Dove	3	215	JUL
SUMMER	MESIC	Grasshopper Sparrow	3	15	JUL
SUMMER	MESIC	Vesper Sparrow	12	235	JUL
SUMMER	MESIC	House Finch	47	750	JUL
SUMMER	RECL	Red-winged Blackbird	4	100	JUL
SUMMER	RECL	Grasshopper Sparrow	2	50	JUL
SUMMER	RECL	Common Nighthawk	4	400	JUL
SUMMER	RECL	Cliff Swallow	3	300	JUL
SUMMER	RECL	Barn Swallow	5	500	JUL
SUMMER	RECL	Northern Oriole	2	40	JUL
SUMMER	RECL	Song Sparrow	1	35	JUL
SUMMER	RECL	Common Grackle	1	100	JUL
SUMMER	RECL	Broad-tailed Hummingbird	2	115	JUL
SUMMER	RECL	Western Meadowlark	5	265	JUL
SUMMER	RECL	Violet-green Swallow	3	300	JUL
SUMMER	RECL	Western Kingbird	1	35	JUL

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RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	RECL	Mourning Dove	6	145	JUL
SUMMER	RECL	House Finch	15	365	JUL
SUMMER	RECL	Vesper Sparrow	15	365	JUL
SUMMER	USHRUB	Grasshopper Sparrow	1	25	JUL
SUMMER	USHRUB	Turkey Vulture	3	300	JUL
SUMMER	USHRUB	Brewer's Blackbird	2	200	JUL
SUMMER	USHRUB	Barn Swallow	1	100	JUL
SUMMER	USHRUB	Yellow-breasted Chat	1	15	JUL
SUMMER	USHRUB	Sage Thrasher	3	65	JUL
SUMMER	USHRUB	Broad-tailed Hummingbird	1	100	JUL
SUMMER	USHRUB	Western Meadowlark	1	25	JUL
SUMMER	USHRUB	Western Kingbird	2	200	JUL
SUMMER	USHRUB	House Finch	14	425	JUL
SUMMER	USHRUB	American Goldfinch	16	745	JUL
SUMMER	USHRUB	Common Yellowthroat	6	150	JUL
SUMMER	USHRUB	Blue Grosbeak	1	5	JUL
SUMMER	USHRUB	Cliff Swallow	23	2300	JUL
SUMMER	USHRUB	Vesper Sparrow	5	65	JUL
SUMMER	USHRUB	Chipping Sparrow	1	5	JUL
SUMMER	USHRUB	European Starling	1	5	JUL
SUMMER	USHRUB	American Robin	5	45	JUL
SUMMER	USHRUB	Mourning Dove	2	10	JUL
SUMMER	USHRUB	Red-winged Blackbird	10	110	JUL
SUMMER	USHRUB	Black-billed Magpie	8	100	JUL
SUMMER	USHRUB	Rufous-sided Towhee	9	65	JUL
SUMMER	USHRUB	Song Sparrow	22	120	JUL
SUMMER	WET	Red-tailed Hawk	1	15	JUL
SUMMER	WET	House Finch	3	300	JUL
SUMMER	WET	American Goldfinch	6	600	JUL
SUMMER	WET	Barn Swallow	8	800	JUL
SUMMER	WET	Vesper Sparrow	2	30	JUL
SUMMER	WET	Grasshopper Sparrow	5	105	JUL
SUMMER	WET	Great Horned Owl	1	5	JUL
SUMMER	WET	Western Kingbird	2	10	JUL
SUMMER	WET	Mourning Dove	4	40	JUL
SUMMER	WET	Song Sparrow	4	20	JUL
SUMMER	WET	Western Meadowlark	6	50	JUL
SUMMER	WET	Common Yellowthroat	13	155	JUL
SUMMER	WET	Red-winged Blackbird	35	415	JUL
SUMMER	WOOD	American Goldfinch	3	205	JUL
SUMMER	WOOD	American Kestrel	1	100	JUL
SUMMER	WOOD	Cliff Swallow	1	100	JUL
SUMMER	WOOD	Barn Swallow	2	200	JUL
SUMMER	WOOD	Western Meadowlark	2	40	JUL
SUMMER	WOOD	European Starling	2	105	JUL
SUMMER	WOOD	Western Kingbird	1	15	JUL
SUMMER	WOOD	Mourning Dove	5	215	JUL
SUMMER	WOOD	Great Horned Owl	1	5	JUL
SUMMER	WOOD	House Finch	5	55	JUL
SUMMER	WOOD	Song Sparrow	6	125	JUL
SUMMER	WOOD	Brown-headed Cowbird	2	10	JUL

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	WOOD	Rufous-sided Towhee	1	5	JUL
SUMMER	WOOD	Blue-gray Gnatcatcher	1	5	JUL
SUMMER	WOOD	Say's Phoebe	1	5	JUL
SUMMER	WOOD	Chipping Sparrow	1	5	JUL
SUMMER	WOOD	Northern Oriole	4	20	JUL
SUMMER	WOOD	Vesper Sparrow	9	45	JUL
SUMMER	XERIC	Grasshopper Sparrow	3	35	JUL
SUMMER	XERIC	House Finch	11	940	JUL
SUMMER	XERIC	American Goldfinch	2	200	JUL
SUMMER	XERIC	Common Nighthawk	1	100	JUL
SUMMER	XERIC	Northern Harrier	1	5	JUL
SUMMER	XERIC	Horned Lark	3	35	JUL
SUMMER	XERIC	Barn Swallow	2	105	JUL
SUMMER	XERIC	Western Meadowlark	7	530	JUL
SUMMER	XERIC	Violet-green Swallow	1	100	JUL
SUMMER	XERIC	Cliff Swallow	28	2800	JUL
SUMMER	XERIC	Mourning Dove	3	15	JUL
SUMMER	XERIC	Vesper Sparrow	16	190	JUL
SUMMER	B SHRUB	Grasshopper Sparrow	8	280	JUN
SUMMER	B SHRUB	Great Horned Owl	1	5	JUN
SUMMER	B SHRUB	House Finch	12	575	JUN
SUMMER	B SHRUB	American Goldfinch	11	455	JUN
SUMMER	B SHRUB	Killdeer	1	100	JUN
SUMMER	B SHRUB	Blue Grosbeak	3	125	JUN
SUMMER	B SHRUB	Song Sparrow	4	70	JUN
SUMMER	B SHRUB	Brown-headed Cowbird	5	245	JUN
SUMMER	B SHRUB	Double-crested Cormorant	1	100	JUN
SUMMER	B SHRUB	Common Grackle	2	200	JUN
SUMMER	B SHRUB	European Starling	13	495	JUN
SUMMER	B SHRUB	Brewer's Blackbird	2	10	JUN
SUMMER	B SHRUB	Western Meadowlark	21	465	JUN
SUMMER	B SHRUB	American Robin	2	10	JUN
SUMMER	B SHRUB	Eastern Kingbird	6	60	JUN
SUMMER	B SHRUB	Red-winged Blackbird	24	420	JUN
SUMMER	B SHRUB	Northern Oriole	18	225	JUN
SUMMER	B SHRUB	Vesper Sparrow	23	395	JUN
SUMMER	B SHRUB	Mourning Dove	18	265	JUN
SUMMER	DIST	Red-tailed Hawk	1	100	JUN
SUMMER	DIST	Cliff Swallow	4	400	JUN
SUMMER	DIST	Barn Swallow	2	200	JUN
SUMMER	DIST	Rock Wren	2	30	JUN
SUMMER	DIST	Say's Phoebe	1	35	JUN
SUMMER	DIST	Western Meadowlark	7	435	JUN
SUMMER	DIST	Violet-green Swallow	1	100	JUN
SUMMER	DIST	Vesper Sparrow	6	70	JUN
SUMMER	MESIC	Red-winged Blackbird	33	1605	JUN
SUMMER	MESIC	Mallard	5	370	JUN
SUMMER	MESIC	Golden Eagle	2	30	JUN
SUMMER	MESIC	Great Blue Heron	2	200	JUN
SUMMER	MESIC	Red-tailed Hawk	1	100	JUN
SUMMER	MESIC	Swainson's Hawk	1	100	JUN

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	MESIC	Cassin's Finch	6	90	JUN
SUMMER	MESIC	Lesser Goldfinch	2	10	JUN
SUMMER	MESIC	American Goldfinch	14	610	JUN
SUMMER	MESIC	Common Nighthawk	2	60	JUN
SUMMER	MESIC	Killdeer	11	480	JUN
SUMMER	MESIC	Common Raven	1	100	JUN
SUMMER	MESIC	Rock Dove	1	100	JUN
SUMMER	MESIC	Horned Lark	7	200	JUN
SUMMER	MESIC	Brewer's Blackbird	2	200	JUN
SUMMER	MESIC	Common Yellowthroat	2	80	JUN
SUMMER	MESIC	Blue Grosbeak	2	105	JUN
SUMMER	MESIC	Cliff Swallow	16	1210	JUN
SUMMER	MESIC	Barn Swallow	18	1800	JUN
SUMMER	MESIC	Northern Oriole	13	525	JUN
SUMMER	MESIC	Song Sparrow	12	515	JUN
SUMMER	MESIC	Brown-headed Cowbird	3	300	JUN
SUMMER	MESIC	Black-billed Magpie	1	25	JUN
SUMMER	MESIC	Common Grackle	5	500	JUN
SUMMER	MESIC	Say's Phoebe	3	85	JUN
SUMMER	MESIC	European Starling	27	2220	JUN
SUMMER	MESIC	American Robin	6	275	JUN
SUMMER	MESIC	Western Kingbird	4	80	JUN
SUMMER	MESIC	Mourning Dove	32	2055	JUN
SUMMER	MESIC	Grasshopper Sparrow	44	1060	JUN
SUMMER	MESIC	House Finch	104	4865	JUN
SUMMER	MESIC	Vesper Sparrow	97	2735	JUN
SUMMER	MESIC	Western Meadowlark	122	5340	JUN
SUMMER	RECL	Red-winged Blackbird	8	520	JUN
SUMMER	RECL	Great Blue Heron	1	100	JUN
SUMMER	RECL	Turkey Vulture	1	100	JUN
SUMMER	RECL	House Finch	24	1570	JUN
SUMMER	RECL	American Goldfinch	5	380	JUN
SUMMER	RECL	Killdeer	5	400	JUN
SUMMER	RECL	Common Raven	13	1300	JUN
SUMMER	RECL	Horned Lark	1	85	JUN
SUMMER	RECL	Brewer's Blackbird	11	1100	JUN
SUMMER	RECL	Blue Grosbeak	2	60	JUN
SUMMER	RECL	Barn Swallow	6	600	JUN
SUMMER	RECL	Northern Oriole	4	215	JUN
SUMMER	RECL	Song Sparrow	11	515	JUN
SUMMER	RECL	Brown-headed Cowbird	5	500	JUN
SUMMER	RECL	Common Grackle	9	770	JUN
SUMMER	RECL	Say's Phoebe	2	145	JUN
SUMMER	RECL	European Starling	4	400	JUN
SUMMER	RECL	Eastern Kingbird	1	55	JUN
SUMMER	RECL	Western Kingbird	1	15	JUN
SUMMER	RECL	Mourning Dove	27	1635	JUN
SUMMER	RECL	Grasshopper Sparrow	39	1160	JUN
SUMMER	RECL	Vesper Sparrow	64	2160	JUN
SUMMER	RECL	Western Meadowlark	96	3905	JUN
SUMMER	USHRUB	Grasshopper Sparrow	1	5	JUN

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	USHRUB	Golden Eagle	1	100	JUN
SUMMER	USHRUB	Great Blue Heron	1	100	JUN
SUMMER	USHRUB	Red-tailed Hawk	1	100	JUN
SUMMER	USHRUB	House Finch	12	545	JUN
SUMMER	USHRUB	Lesser Goldfinch	2	10	JUN
SUMMER	USHRUB	Northern Flicker	6	305	JUN
SUMMER	USHRUB	Common Raven	2	200	JUN
SUMMER	USHRUB	Yellow Warbler	1	65	JUN
SUMMER	USHRUB	Brewer's Blackbird	1	15	JUN
SUMMER	USHRUB	American Kestrel	4	380	JUN
SUMMER	USHRUB	Common Snipe	5	145	JUN
SUMMER	USHRUB	Common Yellowthroat	17	605	JUN
SUMMER	USHRUB	Blue Grosbeak	2	40	JUN
SUMMER	USHRUB	Cliff Swallow	7	700	JUN
SUMMER	USHRUB	Barn Swallow	9	900	JUN
SUMMER	USHRUB	Northern Oriole	8	180	JUN
SUMMER	USHRUB	Yellow-breasted Chat	1	5	JUN
SUMMER	USHRUB	Dark-eyed Junco	2	30	JUN
SUMMER	USHRUB	Ring-billed Gull	14	1400	JUN
SUMMER	USHRUB	Brown-headed Cowbird	27	935	JUN
SUMMER	USHRUB	Black-capped Chickadee	3	45	JUN
SUMMER	USHRUB	Green-tailed Towhee	10	150	JUN
SUMMER	USHRUB	Blue-gray Gnatcatcher	2	10	JUN
SUMMER	USHRUB	Vesper Sparrow	8	150	JUN
SUMMER	USHRUB	Chipping Sparrow	1	5	JUN
SUMMER	USHRUB	Western Meadowlark	36	1670	JUN
SUMMER	USHRUB	European Starling	4	400	JUN
SUMMER	USHRUB	Tree Swallow	1	100	JUN
SUMMER	USHRUB	American Robin	2	70	JUN
SUMMER	USHRUB	Western Kingbird	3	65	JUN
SUMMER	USHRUB	Mourning Dove	10	710	JUN
SUMMER	USHRUB	American Goldfinch	67	2875	JUN
SUMMER	USHRUB	Black-billed Magpie	40	1035	JUN
SUMMER	USHRUB	Red-winged Blackbird	86	2705	JUN
SUMMER	USHRUB	Rufous-sided Towhee	69	1275	JUN
SUMMER	USHRUB	Song Sparrow	87	1835	JUN
SUMMER	WET	Grasshopper Sparrow	17	515	JUN
SUMMER	WET	Cinnamon Teal	2	10	JUN
SUMMER	WET	Mallard	11	485	JUN
SUMMER	WET	Great Blue Heron	1	5	JUN
SUMMER	WET	Red-tailed Hawk	1	100	JUN
SUMMER	WET	House Finch	21	1760	JUN
SUMMER	WET	American Goldfinch	10	550	JUN
SUMMER	WET	Northern Flicker	1	65	JUN
SUMMER	WET	Horned Lark	1	25	JUN
SUMMER	WET	American Kestrel	4	190	JUN
SUMMER	WET	Common Snipe	23	450	JUN
SUMMER	WET	Blue Grosbeak	1	15	JUN
SUMMER	WET	Cliff Swallow	5	500	JUN
SUMMER	WET	Barn Swallow	34	3270	JUN
SUMMER	WET	Northern Oriole	4	120	JUN

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	WET	Song Sparrow	21	590	JUN
SUMMER	WET	Brown-headed Cowbird	3	190	JUN
SUMMER	WET	Double-crested Cormorant	2	200	JUN
SUMMER	WET	Rufous-sided Towhee	1	65	JUN
SUMMER	WET	Black-billed Magpie	2	150	JUN
SUMMER	WET	Vesper Sparrow	11	460	JUN
SUMMER	WET	Common Grackle	4	305	JUN
SUMMER	WET	Rock Wren	1	100	JUN
SUMMER	WET	Say's Phoebe	4	70	JUN
SUMMER	WET	Western Meadowlark	34	1665	JUN
SUMMER	WET	European Starling	4	325	JUN
SUMMER	WET	Eastern Kingbird	1	25	JUN
SUMMER	WET	Western Kingbird	1	25	JUN
SUMMER	WET	Mourning Dove	13	645	JUN
SUMMER	WET	Common Yellowthroat	23	435	JUN
SUMMER	WET	Red-winged Blackbird	321	6810	JUN
SUMMER	WOOD	Red-winged Blackbird	27	1205	JUN
SUMMER	WOOD	Mallard	3	300	JUN
SUMMER	WOOD	Red-tailed Hawk	6	410	JUN
SUMMER	WOOD	Great Horned Owl	3	15	JUN
SUMMER	WOOD	Lesser Goldfinch	4	20	JUN
SUMMER	WOOD	Killdeer	3	130	JUN
SUMMER	WOOD	Northern Flicker	2	105	JUN
SUMMER	WOOD	Yellow Warbler	3	15	JUN
SUMMER	WOOD	American Kestrel	5	140	JUN
SUMMER	WOOD	Common Yellowthroat	1	5	JUN
SUMMER	WOOD	Cliff Swallow	6	600	JUN
SUMMER	WOOD	Barn Swallow	33	3300	JUN
SUMMER	WOOD	Double-crested Cormorant	5	500	JUN
SUMMER	WOOD	Rufous-sided Towhee	2	20	JUN
SUMMER	WOOD	Black-billed Magpie	3	150	JUN
SUMMER	WOOD	Common Grackle	2	105	JUN
SUMMER	WOOD	Say's Phoebe	1	75	JUN
SUMMER	WOOD	House Wren	1	5	JUN
SUMMER	WOOD	American Robin	3	205	JUN
SUMMER	WOOD	Eastern Kingbird	3	45	JUN
SUMMER	WOOD	Western Kingbird	14	210	JUN
SUMMER	WOOD	Warbling Vireo	1	5	JUN
SUMMER	WOOD	American Goldfinch	39	815	JUN
SUMMER	WOOD	Brewer's Blackbird	71	3310	JUN
SUMMER	WOOD	Blue Grosbeak	8	40	JUN
SUMMER	WOOD	Brown-headed Cowbird	29	430	JUN
SUMMER	WOOD	Vesper Sparrow	35	405	JUN
SUMMER	WOOD	Western Meadowlark	71	2390	JUN
SUMMER	WOOD	European Starling	58	1115	JUN
SUMMER	WOOD	Mourning Dove	33	845	JUN
SUMMER	WOOD	Northern Oriole	47	400	JUN
SUMMER	WOOD	Song Sparrow	38	375	JUN
SUMMER	WOOD	House Finch	82	835	JUN
SUMMER	XERIC	Red-winged Blackbird	9	335	JUN
SUMMER	XERIC	Golden Eagle	1	100	JUN

RAW DATA SUMMARY FOR SUMMER 1994 BIRD SURVEYS

Season	Habitat	Common Name	Number of Indv.	Sum Distance	MONTH
SUMMER	XERIC	Great Blue Heron	1	100	JUN
SUMMER	XERIC	Swainson's Hawk	1	100	JUN
SUMMER	XERIC	House Finch	9	615	JUN
SUMMER	XERIC	American Goldfinch	10	565	JUN
SUMMER	XERIC	Common Nighthawk	2	20	JUN
SUMMER	XERIC	Horned Lark	4	130	JUN
SUMMER	XERIC	Brewer's Blackbird	1	100	JUN
SUMMER	XERIC	American Kestrel	2	135	JUN
SUMMER	XERIC	Common Snipe	1	100	JUN
SUMMER	XERIC	Common Yellowthroat	1	65	JUN
SUMMER	XERIC	Cliff Swallow	4	400	JUN
SUMMER	XERIC	Barn Swallow	13	1075	JUN
SUMMER	XERIC	Song Sparrow	1	15	JUN
SUMMER	XERIC	Brown-headed Cowbird	2	50	JUN
SUMMER	XERIC	Rufous-sided Towhee	4	205	JUN
SUMMER	XERIC	Black-billed Magpie	11	355	JUN
SUMMER	XERIC	Say's Phoebe	4	170	JUN
SUMMER	XERIC	Western Kingbird	1	15	JUN
SUMMER	XERIC	Mourning Dove	6	395	JUN
SUMMER	XERIC	White-crowned Sparrow	2	30	JUN
SUMMER	XERIC	Grasshopper Sparrow	29	585	JUN
SUMMER	XERIC	Western Meadowlark	68	2450	JUN
SUMMER	XERIC	Vesper Sparrow	72	1580	JUN