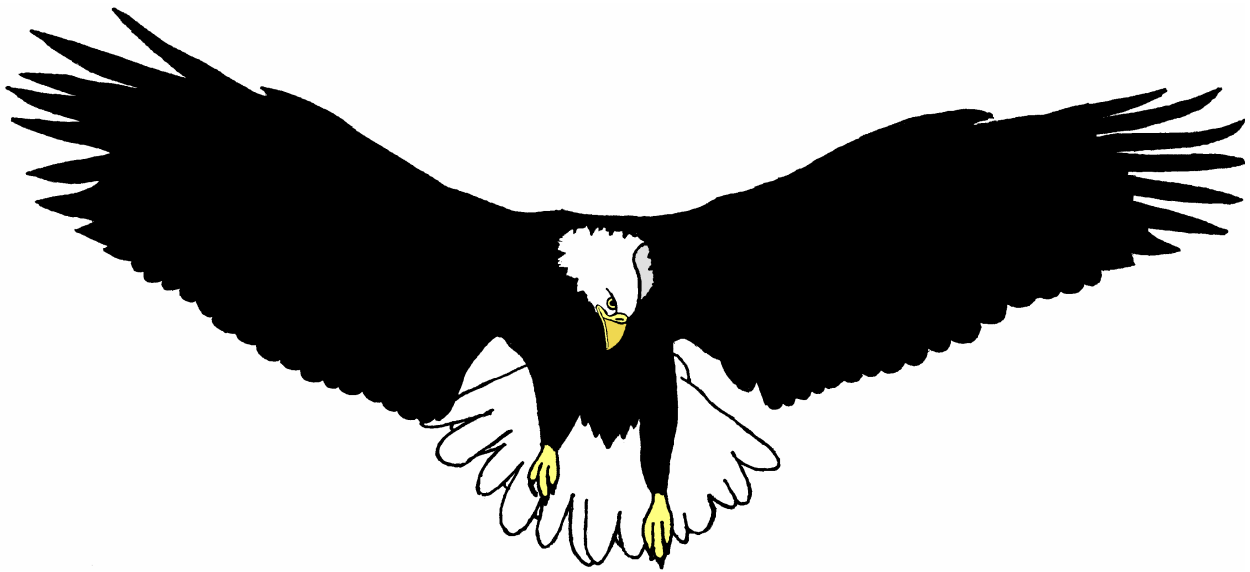


ARIZONA BALD EAGLE 1999 – 2000 NEST SURVEY

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ARIZONA BALD EAGLE 1999 - 2000 NEST SURVEY

James T. Driscoll and John G. Koloszar

INTRODUCTION

In 1978, the U.S. Fish and Wildlife Service (USFWS) classified the bald eagle (*Haliaeetus leucocephalus*) as endangered in 43 states (including Arizona) and threatened in five others (USFWS 1982). In Alaska, the USFWS did not list the species and it does not occur in Hawaii. The USFWS downlisted the bald eagle to threatened in 1995 (USFWS 1995), and has proposed to delist the species (USFWS 1999). Until delisting, the bald eagle retains protection under the Endangered Species Act. Thereafter, the Airborne Hunting Act, the Bald and Golden Eagle Protection Act, the Lacey Act, the Migratory Bird Treaty Act, and A.R.S. Title 17 will protect the species.

In Arizona, only three breeding areas (BA) existed when bald eagle nest surveys began in 1972 (Rubink and Podborny 1976). These annual surveys have continued to the present, excluding 1976 and 1977 (Glinski 1985, 1986; Grubb 1986; Hildebrandt and Glinski 1987; Gooch et al. 1988; Tibbitts et al. 1989, 1990; Corman and Rayner 1991; Driscoll et al. 1992, 1995a, 1995b, 1997, 1998, 1999; Driscoll and Beatty 1994). The Arizona Game and Fish Department (AGFD) administered and performed the 1999 and 2000 nest surveys, in cooperation with Arizona Public Service, Fort McDowell Yavapai Nation, Salt River Project (SRP), San Carlos Apache Recreation and Wildlife Department, U.S. Bureau of Land Management, U.S. Bureau of Reclamation (USBR), U.S. Department of Defense (Luke Air Force Base), U.S. Forest Service (USFS), USFWS, and White Mountain Recreation and Wildlife Department.

The nest survey refines our understanding of the breeding bald eagles in Arizona. Discovery of new BAs and alternate nests, coupled with the knowledge of current and historical BAs, accurately describes the distribution, status, and annual productivity of Arizona's breeding population. Timely discovery of BAs also identifies sensitive areas requiring proactive management from potentially adverse impacts.

SURVEY AREA

We conducted the nest surveys primarily along creeks, reservoirs, and rivers in Arizona. Survey boundaries, for both years, extended north to Lower Lake Mary, south to Winkelman, west to the Bill Williams River below Alamo Dam, and east to the lower Black River tanks. Survey elevations ranged from 960 ft (293 m) at the Bill Williams River, to 6787 ft (2100 m) at Lower Lake Mary.

Most surveys were conducted within five biotic communities (Brown 1982): Great Basin Conifer Woodland, Interior Chaparral, Plains and Great Basin Grasslands, Rocky Mountain and Madrean Montane Conifer Forest, and Sonoran Desertscrub-Arizona Upland Subdivision. Other biotic communities visited include Chihuahuan Desertscrub, Mohave Desertscrub, and Sonoran Desertscrub-Lower Colorado Subdivision.

Plant species vary in each of the five biotic communities. Characteristic species of the Great Basin Conifer Woodland are junipers (*Juniperus* spp.) and pinyon pine (*Pinus* spp.). Agave (*Agave* spp.), crucifixion thorn (*Canotia holocantha*), evergreen oak (*Quercus* spp.), juniper, manzanita (*Arctostaphylos* spp.), and skunkbush sumac (*Rhus trilobata*) exist in the Interior Chaparral. Typical species of the Plains and Great Basin Grassland include bluestem grasses (*Andropogon* spp.), cholla and prickly pear cacti (*Opuntia* spp.), grama grasses (*Bouteloua* spp.), junipers, and sagebrush (*Artemisia* spp.). Species often found in the Rocky Mountain and Madrean Montane Conifer Forest are firs (*Pseudotsuga* spp.), junipers, oaks (*Quercus* spp.), pines, and spruces (*Picea* spp.). Common species in the Sonoran Desertscrub-Arizona Upland Subdivision are barrel cacti (*Ferocactus* spp.), cholla and prickly pear cacti, creosotebush (*Larrea tridentata*), foothill palo verde (*Cercidium microphyllum*), mesquite (*Prosopis* spp.), and saguaro (*Carnegiea gigantea*).

Excluding the Luna BA (located in Rocky Mountain and Madrean Montane Conifer Forest), all current BAs contain riparian vegetation of the Sonoran Riparian Deciduous Forest type. This includes plant species such as Arizona black walnut (*Juglans major*), catclaw (*Acacia greggii*), Fremont cottonwood (*Populus fremontii*), mesquite, introduced salt cedar (*Tamarix pentandra*), sycamore (*Platanus* spp.), and willow (*Salix* spp.).

METHODS

The presence of nests, habitat quality, previous sightings, and spacing of current BAs prioritized survey areas. We monitored breeding activity at historical and current BAs, and nest sites discovered between 1992 and 1999 (Driscoll et al. 1992, 1995a, 1995b, 1997, 1998, 1999; Driscoll and Beatty 1994). Also investigated were reports of bald eagles and/or nests by other biologists, agencies, and the public.

A one to three person team conducted surveys between January and June, 1999 and 2000. Boats, helicopters, and trucks helped us access survey areas. We used Questar spotting scopes (40-160x), 10x50 binoculars, and nest map atlases from Hunt et al. (1992) and SRP (1998) to aid observations, relocate historical BAs, and find alternate nests in existing BAs.

Numbers assigned to new nests are consecutive to the last number assigned in that breeding area. Nest numbers assigned before this document can be found in Driscoll et al. (1992, 1995a, 1995b, 1997, 1998, 1999), Driscoll and Beatty (1994), and Hunt et al. (1992).

We recorded habitat quality, human activity, sightings of other species, and plotted nests. Determination of breeding status followed Postupalsky's (1974) criteria (Appendix A). "Tall" and "short," "large" and "small" are terms used in this report to describe cliff height, tree, and nest size. "Tall" and "large" refer to structures suitable for breeding bald eagles (compared to current Arizona bald eagle nests and locations). Conversely, "short" and/or "small" are of inadequate height and size.

Winter count flights (January) and monthly occupancy and reproduction assessment (ORA) flights (February to June) helped locate nests, and survey for new BAs. ORA flights corresponded with the observation of specific breeding stages (i.e. incubation, the presence of nestlings, fledging). A helicopter, provided by SRP and USBR, flew at approximately 200 ft (70 m) above ground level and at 45 to 70 mph (50 to 60 kt). Drainage topography, high-tension wires, and wind influenced altitude and speed. If occupancy could not be determined from the air, a ground search ensued.

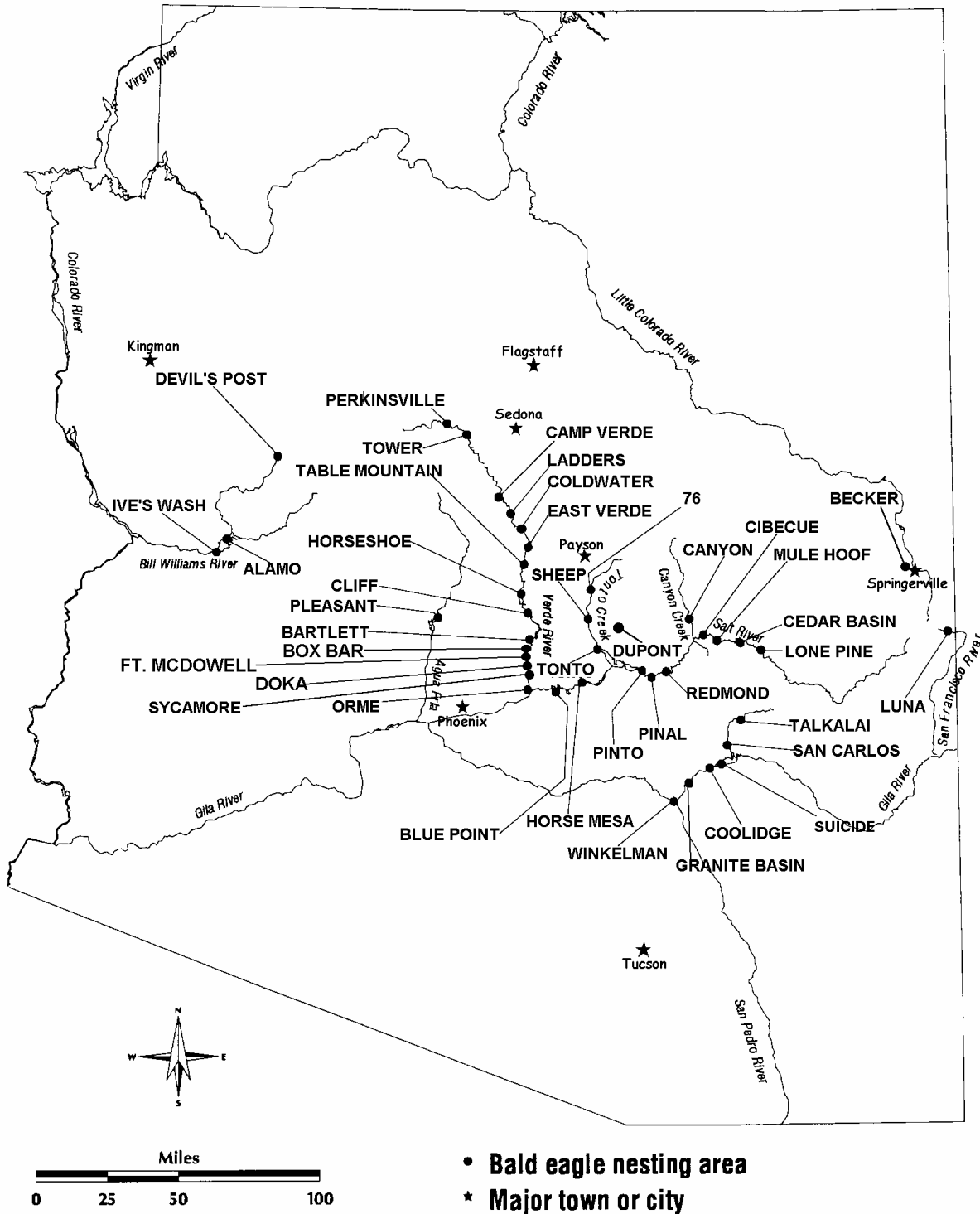
RESULTS

We examined all 40 BAs for breeding activity in 1999, and all 41 in 2000 (Figure 1). In 36 occupied BAs, 31 breeding attempts by 29 breeding pairs produced 31 young in 1999 (Appendix B). In 2000, 27 breeding attempts in 37 occupied BAs produced 22 young (Appendix C).

In 1999, we surveyed 11 locations for new BAs, found three new bald eagle nests in one, and observed bald eagles in six (Appendix D, Table 5). Surveyed areas include the lower Black River and nearby tanks (Antelope Tank, George's Basin, and Nash Creek Reservoir), Burro Creek (Six Mile Crossing), Cold Springs (near Payson), lower Gila River, Roger's Lake (near Flagstaff), lower Salt River, upper Salt River, Tanks Canyon (near the Salt River Canyon), lower Verde River, upper Verde River, and West Clear Creek. We found new bald eagle nests at the lower Gila River, and recorded sightings of bald eagles at lower Black River and nearby tanks, lower Gila River, Roger's Lake, lower Salt River, Tanks Canyon, and the lower Verde River. We discovered two new breeding areas on the lower Gila River. The Granite Basin BA is located between the Coolidge BA and Winkelman, and the Suicide BA is located above Coolidge Dam.

During the 2000 breeding season, we surveyed eight locations for new BAs, found bald eagle nests in one, and observed bald eagles in four. Surveyed areas include the lower Black River and nearby tanks (Antelope Tank, George's Basin, and Nash Creek Reservoir), Burro Creek (Six Mile Crossing), lower Gila River, lower Salt River, upper Salt River, Tanks Canyon (near the Salt River Canyon), lower Verde River, and the upper Verde River. We found new bald eagle nests at the lower Verde River, and recorded sightings of bald eagles at the lower Salt River, Tanks Canyon, lower Verde River, and the upper Verde River.

Figure 1. Known Arizona Bald Eagle BAs, 2000.



Of the 22 historical BAs in Arizona (Hunt et al. 1992, Driscoll et al. 1997), we examined 11 for occupancy in 1999, relocated nests in seven, and observed bald eagles in six (Appendix D, Table 6). We relocated historic nests at Ash, Eagle, Hell Point, Lower Lake Mary, Muldoon, Upper Lake Mary, and Sullivan, and recorded bald eagles near Eagle, LF Ranch, Lower Lake Mary, Needle Rock, Upper Lake Mary, and Willow.

In 2000, we examined eight historical BAs, relocated nests in five, and observed bald eagles in three. We relocated historic nests at Ash, Eagle, Hell Point, Muldoon, and Upper Lake Mary, and recorded bald eagles near LF Ranch, Muldoon, and Needle Rock.

We monitored seven nest sites of other or unknown species (Driscoll et al. 1992, 1995a, 1995b, 1997, 1998, 1999; Driscoll and Beatty 1994) for bald eagle activity in 1999, and six sites in 2000 (Appendix D, Table 7). These include five golden eagle (Granite, Hell Canyon, Sullivan Lake, R.R. Tunnel, and Watson Lake) and two osprey nest sites (Granite Reef Dam, and Lynx Lake). In 1999, we observed bald eagles only at the R.R. Tunnel nest site. In 2000, we observed bald eagles at Granite, Granite Reef, Lynx Lake, R.R. Tunnel, and Sullivan Lake nest sites.

Surveys in 17 known BAs revealed four new/rebuilt bald eagle nests and two large nests of unknown species in 1999 (Appendix D, Table 8). We found a rebuilt bald eagle nest at Blue Point (nest #2 renamed Orme #5), new alternate nests at Box Bar (nest #3), Horseshoe (nest #12), and San Carlos (nest #3), and two unknown large nests at Canyon (nests #9 and #10).

Surveys in 20 known BAs revealed seven new/rebuilt bald eagle nests in 2000. We found new alternate nests at Blue Point (nest #10), Coolidge (nest #4), Orme (nest #6), Perkinsville (nest #4), Pinal (nest #6), Pinto (nest #4), and Sycamore (nest #3). We artificially built an alternate Sheep BA nest (nest #3) to supplement nest #1 (which lost all of its supporting branches and is sitting on the tree trunk).

Two bald eagle nests fell in 1999, and one in 2000. Box Bar nest #2 and Fort McDowell nest #6 fell prior to the January 1999 winter count flight. The supporting branch for Pinto nest #3 broke before the January 2000 winter count flight.

DISCUSSION

A summary of the winter count and ORA flights are located in Appendix E (1999) and Appendix F (2000). Areas worthy of further discussion (bald eagle sightings, fallen nests, new nests, promising nest sites) are described below. Nest locations are sensitive, considered confidential by AGFD, and omitted from this report. Management agencies requiring specific locations should contact the AGFD Heritage Data Management System (602-789-3612).

SURVEY SITES

Cold Springs

In March 1999, a Wildlife Manager responded to a call of a dead bald eagle near Cold Springs, north of Payson. Upon retrieving the carcass of an adult bald eagle, the officer was informed of a pair occupying the area. We surveyed the Cold Springs area on our April 1999 ORA flight but found no nests or adults.

Lower Gila River

Since 1992, we have closely monitored the occurrence of bald eagles on the lower Gila River (Driscoll et al. 1992, 1995a, 1995b, 1997, 1998, 1999; Driscoll and Beatty 1994). With the discovery of the Winkelman BA in 1995, we considered the possibility that the bald eagles observed at Granite Basin were from the Winkelman BA (Driscoll et al. 1997). However, we continued to monitor for the presence of bald eagles and search for new nests between the Coolidge and Winkelman BAs.

In 1999, we surveyed the lower Gila River from January to March by helicopter. During the March flight, we discovered an adult bald eagle incubating in a new pinnacle nest (nest #1) at the downstream end of the Granite Basin area.

In May 1999, Amanda Moors, San Carlos Recreation and Wildlife Department, reported a new bald eagle nest above Coolidge Dam. On May 28 we discovered a large nest (Suicide nest #1), two adults, and two newly fledged juveniles near Suicide Point. Unsure if this was a new BA or an alternate San Carlos BA nest, we waited until we identified the adults in 2000 before naming the new Suicide BA.

Roger's Lake

Summer bald eagle sightings, reports of nests and successful breeding attempts have kept our attention in the Flagstaff area for nearly a decade. In 1998, reports of a successful breeding attempt on Roger's Lake prompted a helicopter visit in February. Although we did observe two adult bald eagles standing on the ice, we found no nest structures.

Lower Salt River

After discovering the Blue Point nest #2 reconstructed and frequented by bald eagles in 1998, we monitored the nest for breeding activity from January to March in 1999 (Driscoll et al. 1999). During the March ORA flight, the Orme breeding pair had double-clutched in this nest. We appropriately renamed it Orme nest #5.

Lower Verde River

The Sycamore BA nestwatchers received several reports of bald eagles nesting downstream of the Hwy 87 bridge in 2000. On March 10, we observed the Orme pair incubating in a new nest (nest #6)

on the border of the Fort McDowell Yavapai Nation and the Salt River Pima-Maricopa Indian Community.

HISTORICAL BAS

We observed no significant activity at the historical BAs monitored in 1999 and 2000.

SURVEY SITES WITH EXISTING LARGE NESTS

R. R. Tunnel

Since discovering the large nest in 1995 and the reoccupancy of the upstream Perkinsville BA in 1997 (Driscoll et al. 1995b, 1998), we have monitored the R.R. Tunnel nest site for breeding activity. We surveyed the area in January and February in 1999, and January to March in 2000. On the March 2000 ORA flight, we discovered the Perkinsville pair incubating in a new nest (nest #4) just 0.5 km upstream of the R.R. Tunnel nest site.

BREEDING AREAS

Blue Point

After finding nest #2 reconstructed in 1998 (Driscoll et al. 1999), we observed Orme pair incubating their second clutch in this nest on the March 1999 ORA flight. The nest has been renamed Orme nest #5.

Box Bar

Prior to the 1999 winter count flight, the tree containing nest #2 was struck by lightning and a branch above the nest broke, knocking the nest to the ground. On January 8, we observed the adults start constructing new nest #3.

Canyon

On the February 1999 ORA flight, we found two large nests (nest #9, #10) in the sycamore trees near nest #6. Although large enough to be bald eagle nests, we are unsure if the nests were built by bald eagles.

Cliff

The pair occupying the Cliff BA has not laid eggs since 1994. Since then, we have annually surveyed the BA for new nests, and monitored the presence of bald eagles (Driscoll et al. 1992, 1995a, 1995b, 1997, 1998, 1999; Driscoll and Beatty 1994). On the January 1999 winter count, and the February and April 1999 ORA flights, we observed two adults within the BA. Additionally, one adult was observed on the March 1999 and 2000 ORA flights. We found no new nests.

Coolidge

After searching the area from January to March 2000 by helicopter, we found the breeding pair incubating in new nest #4 during a March 6, 2000 ground visit.

Fort McDowell

Since the division of the Fort McDowell BA in 1997, Fort McDowell nest #6 has been located between the Doka and Sycamore BAs and was unused. Prior to the January 1999 winter count flight, the nest had fallen.

Horseshoe

During the January 1999 winter count flight, we found a new large nest (nest #12) in a willow tree upstream of Horseshoe nest #8.

Orme

After we observed the Blue Point nest #2 reconstructed in 1998, we were unsure which pair occupied this nest (Driscoll et al. 1999). During the February 1999 ORA flight, we found the Blue Point pair incubating in nest #7 and the Orme Pair incubating in nest #1. Additionally, we observed one adult near nest #2. After failing in nest #1, we discovered the Orme pair incubating a second clutch in Blue Point nest #2 on the March ORA flight. We appropriately renamed this nest Orme #5.

On the March 2000 ORA flight, we found the Orme pair incubating in new nest #6, on the Verde River near the Fort McDowell Yavapai Nation and Salt River Pima-Maricopa Indian Community border.

Perkinsville

In 1997, we observed the reoccupancy of the Perkinsville BA when we found new nest #3 built on top of a great blue heron nest (Driscoll et al. 1997). Nest #3 fell in 1998 and the BA, once again, did not have an associated nest (Driscoll 1999). After searching from January to March 2000 by helicopter, we discovered the Perkinsville pair incubating in new nest #4 just upstream from the R.R. Tunnel nest site.

Pinal

After searching the Pinal BA from January to April 1999, and from January to March 2000, we found the Pinal pair incubating in new nest #6 during the March 2000 ORA flight.

Pinto

During the January 2000 winter count flight, we found the branch supporting Pinto nest #3 had broken, and the breeding pair had built new nest #4 in an adjacent cottonwood tree.

San Carlos

In 1998, the branch supporting nest #1 had broken, and the breeding pair had built a new nest on the remaining sticks of the nest (Driscoll et al. 1999). Prior to the January 1999 winter count, the entire nest had fallen, and the pair built a new nest (nest #3) in the same tree on a lower branch.

Sheep

Over the years, we have watched artificial nest #1 deteriorate. While banding the nestlings in 2000, we noticed the two supporting branches for the nest were rotten, and the nest received no shade from the dying tree. With input and support from the SWBEMC, we built an artificial alternate nest (nest #3) in August 2000, two trees downstream from nest #1. During our August visit, we noticed one of the two supporting branch for the nest had fallen and the nest was only secured by the bailing wire used during the artificial construction.

Sycamore

During the February 2000 ORA flight, we found the breeding pair incubating in new nest #4, on the north side of Sycamore Creek.

OVERVIEW

Significant findings for the Arizona Bald Eagle 1999 – 2000 Nest Survey include the discovery of two new BA's (Granite Basin and Suicide), 11 alternate bald eagle nests, two nests of unknown species, and three fallen nests.

The discovery of the Granite Basin BA, reiterates the need for a long term monitoring and nest surveys in areas with potential bald eagle habitat. In May 1993, we observed the first adult occupying the Granite Basin area on a nest survey flight. We thoroughly examined this stretch of river every year, and started to see bald eagles regularly occupy the area in 1997. Six years after first observing bald eagles, we found the new BA.

With the addition of the Suicide BA, competition for resources of the San Carls Reservoir may affect productivity for the three BAs surrounding the reservoir. The new pair established their BA within the foraging area of the Coolidge pair. With Suicide disallowing the Coolidge pair to forage on the reservoir, or vice versa, we may see productivity decreases due to intraspecific competition. We are unsure of the foraging habits of the San Carlos pair, and if the addition of the new BA will affect their productivity.

The constant monitoring through ORA flights, and additional support from the Arizona Bald Eagle Nestwatch Program allowed us to document a record number of fledglings in 1999. Out of the 40 plus nestlings that hatched in 1999, 31 survived to fledge from 21 successful nests. This exceeds the previous high of 25 fledglings set in 1995 and matched in 1996. Similarly in 2000, 36 plus nestlings hatched and survived to 5 weeks old. However, various circumstances (predation, heat, etc.) caused the death of 14 nestlings between April and June, and 22 nestlings fledged from 13 successful nests.

MANAGEMENT RECOMMENDATIONS

Future survey efforts should monitor historical BAs, potential BAs, and large nests reported in Driscoll et al. (1992, 1995a, 1995b, 1997, 1998, 1999), Driscoll and Beatty (1994), and Hunt et al. (1992). These documents are useful tools for locating new BAs. Since 1992, these reports have described three reoccupied historical BAs and seven new BAs.

Create digitized maps plotting all current nests and nest sites suitable for bald eagles. Locations should be recorded on 7.5 minute computerized topographic maps to increase accuracy and accessibility. This will also prove beneficial to future studies of other species (i.e. golden eagles and ospreys).

Surveyors should continue to use the nest survey, ORA, and winter count flights, in concert with follow-up ground surveys to inspect areas. From the air, surveyors can easily cover large sections of bald eagle habitat. Follow-up ground surveys thoroughly investigate an area.

Examine the following areas for breeding bald eagles and/or nests:

Agua Fria River drainage - Lake Pleasant for a second BA.

Big Sandy River drainage - Upper Trout Creek.

Bill Williams River drainage - Bill Williams National Wildlife Refuge

Black River drainage - Little and Big Bonito creeks to the confluence of the Black River, Paucity Creek, Pacheta Creek, Reservation Creek, osprey nesting areas on East and West Fork and main stem of the Black River.

Central and Eastern Mountain Lakes - Casadore Springs, Chevelon Canyon Lake, Cholla Lake, Christmas Tree Lake, Doney Park, Dry Lake, George's Basin, Nash Creek Reservoir, Phillips Park Tank, Paucity Lake, Point of Pines, Roger's Lake, Tonto Lake.

Colorado River drainage - Lake Mead (Grand Wash), Gene Wash Reservoir, Nankoweap Creek, Lee's Ferry.

North Fork of White River - Known osprey nesting locations

Gila River drainage - Lower Blue River, San Francisco River to Gila River confluence, Gila Box.

Salt River drainage - Blue Point BA to Orme BA, Gun/Tonto creek confluence, Mormon Flat Dam, Redmond BA to Canyon BA, Mule Hoof BA to Cedar Basin BA, Tanks Canyon.

White River – Whiteriver to confluence with Black and Salt rivers.

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APPENDIX A: POSTUPALSKY'S (1974) RAPTOR REPRODUCTIVE SUCCESS CRITERIA

Breeding Area:	An area containing one or more nests within the range of one mated pair of birds.
Occupied Nest:	Any nest, which at least one of the following activity patterns was observed during the breeding season: <ul style="list-style-type: none">a. Young were raised.b. Eggs were laid.c. One adult sitting low in the nest, presumably incubating.d. Two adults present on or near the nest.e. One adult and one bird in immature plumage at or near a nest, if mating behavior was observed (display flight, nest repair, coition).f. A recently repaired nest with fresh sticks, or fresh boughs on top, and/or droppings and/or molted feathers on its rim or underneath.
Active Nest:	A nest in which eggs have been laid. Activity patterns (a), (b), and (c) are diagnostic of an active nest.
Successful Nest:	An occupied nest from which at least one young fledged during the breeding season under consideration, or, and occupied nest in which at least one young was raised to an advanced stage of development.
Failed Nest:	An occupied nest from which no young fledged due to any cause.
Occupied Breeding Area:	Consists of one occupied nest.
Unoccupied Breeding Area:	A nest or group of alternate nests at which none of the activity patterns diagnostic of an occupied nest were observed in a given breeding season.

APPENDIX B: 1999 BALD EAGLE REPRODUCTION SUMMARIES

Table 1. Arizona bald eagle breeding area productivity summary, 1999.								
Breeding Area	Status ¹	Nest ²	Incubation Date	Eggs	Hatch Date	Young	Fledged	Fledge Date
Alamo	F	4	1/22-2/1	1+	Failed 2/1-3/25.			
Bartlett*	S	2	1/4-16	2+	2/15-18	2	1	4/26
	One nestling died on 2/26 at 8 days old.							
Becker	F	1	3/6-10	1+	Failed 4/10. Male disappeared.			
Blue Point	S	7	1/5-2/1	1+	2/1-3/17	1+	1	5/13-6/14
Box Bar*	F	3	2/5-8	1+	3/14-15	1+	Failed 3/28.	
Camp Verde	U							
Canyon	O							
Cedar Basin	O							
Cibecue	S	2	2/2-4/16	2+	4/16-5/13	2+	1	>5/22
	One nestling disappeared 5/13 – 22 at four weeks old.							
Cliff	O							
Coldwater	F	8	1/4-2/1	1+	Failed 2/10-3/20.			
Coldwater 2	F	8	3/20-4/15	1+	Failed 4/15-5/13.			
Coolidge	F	2	2/2-3/18	1+	Failed 3/18-4/29.			
Devil's Post	U							
Doka*	S	1	<1/4	2+	1/8-2/5	2	2	3/29-30
Dupont	O							
East Verde	S	6	1/4-2/1	2+	2/1-3/17	2	2	5/13-6/14
Fort McDowell*	S	17	1/4-2/1	2+	2/13	2	1	5/5
	One eaglet disappeared on 4/6 at six weeks old.							
Granite Basin	F	1	2/2-3/18	1+	Failed 3/18-4/29.			
Horse Mesa	S	4	1/5-2/1	2+	2/1-3/17	2+	1	5/13-6/14
	One nestling disappeared 4/16 – 5/13 at four to eight weeks old.							
Horseshoe	S	11	1/4-2/1	2+	2/12-3/17	2	2	5/13-6/14
Ive's Wash	O							
Ladders	S	3	2/1-20	2+	2/20-3/15	2	2	5/13-6/14
Lone Pine	S	2	2/2-4/16	2+	2/2-4/16	2+	2	>5/13
Luna*	S	1	<3/12	2+	<3/12	2	1	5/20
	One eaglet taken to rehab on 5/7.							
Mule Hoof	U							
Orme	F	1	1/5-2/1	1+	Failed 2/1-3/17.			

¹ Breeding area status codes (Postupalsky 1974): U=unoccupied, O=occupied, S=successful, F=failed.

² Nest numbers are from Hunt et al. 1992; Driscoll et al. 1992; Driscoll and Beatty 1994; Driscoll et al. 1995a, 1995b, 1997, 1998.

* Nests monitored by the Arizona Bald Eagle Nestwatch Program.

Table 1 (continued).								
Breeding Area	Status ¹	Nest ²	Incubation Date	Eggs	Hatch Date	Young	Fledged	Fledge Date
Orme 2*	S	5	2/1-3/17	1+	3/17-23	1	1	6/12
Perkinsville	U							
Pinal	O							
Pinto	S	3	1/27-2/1	2+	2/9-3/18	2	2	5/13-6/14
Pleasant*	S	2	<1/14	2+	2/15-19	2	1	5/12
	One nestling died 3/5-15 at 2-3 weeks old.							
Redmond	F	5	2/21-3/18	1+	3/18-4/16	1	Failed 5/16-6/14	
San Carlos	O							
76	S	3	1/26-2/2	1+	2/2-3/18	1	1	5/13-6/14
Sheep*	S	1	1/5-2/2	2+	2/8-3/18	2	1	5/29
	One eaglet died 3/19-3/28.							
Suicide	S	1	<5/27	2+	<5/27	2+	2	<5/27
Sycamore*	S	2	1/8-19	2+	2/24	2	2	5/17, 5/24
Table Mountain	S	4	2/1-3/17	1+	3/17-4/15	1+	1	>6/14
Talkalai	F	4	1/5-2/2	1+	Failed 3/18-4/29.			
Tonto*	S	2	1/5-25	2+	2/20	2	2	5/7
Tower*	S	8	1/20-21	2+	2/25-2/26	2	2	5/21, 5/21-6/14
Winkelman	U							

¹ Breeding area status codes (Postupalsky 1974): U=unoccupied, O=occupied, S=successful, F=failed.

² Nest numbers are from Hunt et al. 1992; Driscoll et al. 1992; Driscoll and Beatty 1994; Driscoll et al. 1995a, 1995b, 1997, 1998, 1999.

* Nests monitored by the Arizona Bald Eagle Nestwatch Program.

Table 2. Arizona bald eagle productivity summary, 1999.			
Number of BAs	40 ¹	Number of Active BAs	29
Number of Occupied BAs	36	Number of Failed Breeding Attempts	10
Number of Eggs	48+	Number of Successful Breeding Attempts	21
Nest Success = 21/36	0.58	Number of Young Hatched	40+
Mean Brood Size = 31/21	1.48	Number of Young Fledged	31
		Productivity = 0.58 x 1.48	0.86

APPENDIX C: 2000 BALD EAGLE REPRODUCTION SUMMARIES

Table 3. Arizona bald eagle breeding area productivity summary, 2000.								
Breeding Area	Status ¹	Nest ²	Incubation Date	Eggs	Hatch Date	Young	Fledged	Fledge Date
Alamo	S	4	1/31-3/23	1+	1/31-3/23	1	1	5/15-6/9
	Nestling last observed at 8.5 weeks old on 5/15.							
Bartlett*	F	1	1/3-31	2	Failed 2/19			
Becker	O							
Blue Point	F	7	<1/17	1+	Failed 2/16			
Box Bar*	S	3	1/4-10	2+	2/14-18	2	2	5/4, 5/8
Camp Verde	U							
Canyon	O							
Cedar Basin	O							
Cibecue	O							
Cliff	O							
Coldwater	F	3	1/31-3/23	2+	3/23-4/17	2	Failed 5/15-6/9	
Coolidge	F	4	2/1-3/6	1+	3/8-4/3	1	Failed 4/3-5/10	
Devil's Post	U							
Doka*	S	1	< 1/3	2+	1/3-1/31	2	2	3/26, 4/8
Dupont	F	2	2/1-3/22	1+	3/22-4/20	1+	Failed 4/20-5/15	
East Verde	O							
Fort McDowell*	S	17	1/3-31	2+	2/11-12	2	2	4/29, 5/2
Granite Basin	O							
Horse Mesa	S	4	1/17-2/1	2+	2/1-3/22	2	1	5/15-6/9
	One nestling disappeared 4/20 – 5/15 at 5 to 8.5 weeks of age. Second nestling last observed on 5/15 at 8.5 weeks of age.							
Horseshoe*	S	11	1/3-31	2	3/3, 3/7	2	2	5/4-15, 5/15-6/9
	One nestling last observed on 5/7 at 9.5 to 10.5 weeks of age.							
Ive's Wash	O							
Ladders	O							
Lone Pine	F	2	2/1-3/22	2+	3/22-4/20	2	Failed 4/20-5/15	
	New 3 year old subadult in pair mid-season. Nestlings disappeared 4/20-5/15 at 4-8 weeks of age.							

¹ Breeding area status codes (Postupalsky 1974): U=unoccupied, O=occupied, S=successful, F=failed.

² Nest numbers are from Hunt et al. 1992; Driscoll et al. 1992; Driscoll and Beatty 1994; Driscoll et al. 1995a, 1995b, 1997, 1998.

* Nests monitored by the Arizona Bald Eagle Nestwatch Program.

Table 3 (continued).								
Breeding Area	Status ¹	Nest ²	Incubation Date	Eggs	Hatch Date	Young	Fledged	Fledge Date
Luna*	S	1	<2/27	3+	2/27-3/30	3	1	6/3
	One nestling fell out of nest 5/15 – 5/19, one fell 5/20. Both eaten by coyotes on ground.							
Mule Hoof	U							
Orme*	F	6	<3/10	2+	3/28 –31	2	Failed 4/21	
Perkinsville	S	4	<3/23	1+	<3/27	1	1	5/15-6/9
Pinal	F	6	2/1-3/22	2+	3/22-30	2	Failed 5/15-6/9	
	Nestlings disappeared 5/15-6/9 at 6-9.5 weeks of age.							
Pinto	O							
Pleasant*	S	2	1/13-29	2+	2/28-3/2	2	2	5/23, 5/24
Redmond	S	5	1/17-2/1	1+	2/1-3/22	1	1	5/15-6/9
	Nestling last observed on 5/15 at 9 weeks of age.							
San Carlos	F	3	2/1-3/6	1+	Failed 3/22-4/3			
76	S	3	1/17-2/1	2+	2/1-3/22	2	2	5/15-6/9
Sheep*	F	1	1/17-2/1	1+	3/13-16	1+	Failed 5/5	
	Nestling taken to rehab on 5/5 for severe dehydration. Died 5/8.							
Suicide	S	1	1/17-2/1	3+	3/10-22	3	3	>5/15
Sycamore*	F	3	1/3-31	1+	Failed 3/10			
Table Mountain	F	4	1/31-3/23	1+	Failed 3/23-4/17			
Talkalai	F	7	<3/22	1+	Failed 3/22-4/3			
Tonto*	F	2	1/17-2/1	2	Failed 4/3			
Tower*	S	9	<2/4	2+	3/12-17	2	2	5/17
	One young taken to rehab after falling from nest on 5/17. Released back into BA on 6/14.							
Winkelman	U							

¹ Breeding area status codes (Postupalsky 1974): U=unoccupied, O=occupied, S=successful, F=failed.

² Nest numbers are from Hunt et al. 1992; Driscoll et al. 1992; Driscoll and Beatty 1994; Driscoll et al. 1995a, 1995b, 1997, 1998, 1999.

* Nests monitored by the Arizona Bald Eagle Nestwatch Program.

Table 4. Arizona bald eagle productivity summary, 2000.			
Number of BAs	41	Number of Active BAs	27
Number of Occupied BAs	37	Number of Failed Breeding Attempts	14
Number of Eggs	45+	Number of Successful Breeding Attempts	13
Nest Success = 13/37	0.35	Number of Young Hatched	36+
Mean Brood Size = 22/13	1.69	Number of Young Fledged	22
		Productivity = 0.35 x 1.69	0.59

APPENDIX D: NEST SURVEY SUMMARIES

Table 5. Arizona bald eagle nest survey summary: new locations surveyed, 1999 – 2000.				
New Locations	Year	Date	Method	Results
Burro Creek	1999	2/1, 4/15	Helicopter	No new nests or bald eagles.
	2000	1/3, 3/23, 4/17	Helicopter	No new nests or bald eagles.
Lower Black River Tanks	1999	1/7, 2/2, 4/16	Helicopter	No new nests. One adult on Nash Creek Reservoir on 1/7, and four adults on 2/2.
	2000	3/22	Helicopter	No new nests or bald eagles.
Cold Springs	1999	4/15	Helicopter	No new nests or bald eagles.
Lower Gila River	1999	2/2, 3/18, 5/28	Helicopter Ground	Found new BA (Granite Basin nest #1) on 3/18. Found new BA (Suicide nest #1) on 5/28. Five subadults on 2/2.
	2000	2/1, 4/20	Helicopter	No new nests or bald eagles.
Roger's Lake	1999	2/1	Helicopter	No new nests. Two adults on lake.
Lower Salt River	1999	2/1, 3/17, 4/16, 5/13	Helicopter	Blue Point nest #2 newly constructed and one adult on 2/1. One adult incubating in Blue Point #2 (renamed Orme #5) on 3/17.
	2000	1/17, 2/1, 4/20	Helicopter	No new nests. One adult near Mormon Flat Dam on 1/17. One adult near Horse Mesa Dam on 2/1.
Upper Salt River	1999	2/2	Helicopter	No new nests or bald eagles.
	2000	1/7	Helicopter	No bald eagles.
Tanks Canyon	1999	1/5, 2/2, 3/18	Helicopter	No new nests. Two adults on 1/5.
	2000	1/17, 3/22	Helicopter	No new nests. One adult and one subadult on 1/17.
Lower Verde River	1999	2/1, 4/15	Helicopter Ground	No new nests. Two subadults below HWY 87 on 2/1, one subadult and one adult below HWY 87 on 4/15
	2000	1/31, 3/10, 4/17	Helicopter	Found new nest (Orme nest #6) on 3/10. One adult below HWY 87 on 1/31.
Upper Verde River	1999	2/1, 4/15	Helicopter	No new nests or bald eagles.
	2000	1/31, 4/17, 6/9	Helicopter	No new nests or bald eagles.
West Clear Creek	1999	4/15	Helicopter	No new nests or bald eagles.

Table 6. Arizona bald eagle nest survey summary: historical BAs surveyed, 1999 – 2000.				
Historical BAs	Year	Date	Method	Results
Ash	1999	1/5, 2/2, 3/18	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/17, 3/22	Helicopter	All known nests empty. No new nests or bald eagles.
Chino	1999	4/15	Helicopter	No new nests or bald eagles.
Eagle	1999	1/15	Helicopter	All known nests empty. One adult observed.
	2000	1/6	Helicopter	All known nests empty. No bald eagles.
Hell Point	1999	1/4, 2/1, 4/15	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/3, 1/31, 3/23, 4/17	Helicopter	All known nests empty. No new nests or bald eagles.
LF	1999	1/4, 4/15	Helicopter	No new nests. One adult on 1/4.
	2000	1/3, 1/31, 3/23, 4/17	Helicopter	No new nests. One adult and two subadults on 1/3.
Lower Lake Mary	1999	2/1	Helicopter	All known nests empty. No new nests, one adult near Walnut Canyon.
Muldoon	1999	1/4, 2/1, 4/15	Helicopter	All known nests empty. No new nests. One subadult on 1/4.
	2000	1/3, 1/31, 3/23, 4/17	Helicopter	All known nests empty. No new nests. One subadult on 1/31, one adult on 3/23.
Needle Rock	1999	1/4, 2/1	Helicopter	No new nests. One adult on 2/1.
	2000	1/3, 4/17	Helicopter	No new nests. One adult and two near-adults on 4/17.
Sullivan	1999	1/4, 2/1, 4/15	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/3, 1/31, 4/17	Helicopter	All known nests empty. No new nests or bald eagles.
Upper Lake Mary	1999	2/1	Helicopter	All known nests empty. No new nests. Two adults in area.
Willow	1999	1/15	Helicopter	One adult in area.
	2000	1/6	Helicopter	No bald eagles.

Table 7. Arizona bald eagle nest survey summary: nest sites surveyed, 1999 - 2000.				
Nest Sites	Year	Date	Method	Results
Granite	1999	1/4, 2/1, 4/15	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/3, 1/31	Helicopter	All known nests empty. No new nests. One adult on 1/3, one adult and one subadult on 1/31.
Granite Reef	1999	1/5	Helicopter	All known nests empty. No bald eagles.
	2000	1/17, 4/20	Helicopter	One osprey incubating on 4/20. No new nests. One adult on 4/20.
Lynx Lake	1999	4/15	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/3, 4/17	Helicopter	All known nests empty. No new nests. One adult on 1/3.
Mormon Pocket	1999	2/1	Helicopter	All known nests empty. No new nests or bald eagles.
R.R. Tunnel	1999	1/4, 2/1, 4/15	Helicopter	New Perkinsville nest #4 found upstream. Four adults on 1/4 and 2/1. Four subadults on 2/1.
	2000	1/3, 1/31	Helicopter	All known nests empty. No new nests. One near-adult on 1/3. One adult on 1/31.
Sullivan Lake	1999	1/4, 2/1, 4/15	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/3, 1/31	Helicopter	All known nests empty. No new nests. One adult on 1/3.
Watson Lake	1999	4/15	Helicopter	Two golden eagle nestlings in nest. No new nests or bald eagles.
	2000	1/3, 1/31, 3/23, 4/17	Helicopter	All known nests empty. No new nests or bald eagles.

Table 8. Arizona bald eagle nest survey summary: BAs surveyed, 1999 - 2000.				
Breeding Area	Year	Date	Method	Results
Blue Point	1999	1/5, 2/1, 3/15	Helicopter	Nest #2 newly constructed and two adults on 1/5. One adult at nest #2 and one adult incubating in #7 on 2/1. Orme pair incubating in nest #2 on 3/15 (renamed Orme #5).
	2000	1/17, 2/1, 3/22	Helicopter	One adult incubating in nest #7 on 1/17. New nest #10 found on 3/22.
Box Bar	1999	1/4, 2/1	Helicopter	Nest #2 fell prior to 1/4, two adults in area. Two adults standing in new nest #3 on 2/1.
Camp Verde	1999	1/4, 2/1, 4/15, 6/14	Helicopter	No new nests or bald eagles.
	2000	1/3, 1/31, 3/23, 4/17	Helicopter	No new nests. One near adult on 1/31
Canyon	1999	1/7, 2/2, 4/16, 5/13	Helicopter	All known nests empty. Two new nests found (#9, #10), nest #6 newly constructed, and one adult on 2/2.
	2000	1/7, 2/1, 3/22	Helicopter	All known nests are empty. No new nests. Two adults near nest #6 on 1/7.
Cedar Basin	1999	1/7, 2/2, 4/16	Helicopter	All known nests are empty. No new nests. Two adults on 1/7. One adult and three subadults on 2/2.
	2000	1/7, 2/1, 3/22	Helicopter	No new nests. One adult and two subadults on 1/7, one adult in nest #3 on 2/1.
Cibecue	2000	1/7, 2/1, 3/22	Helicopter	All known nests are empty. No new nests. One adult on 1/7. Nest #2 newly constructed on 3/22.
Cliff	1999	1/4, 2/1, 3/17, 4/15, 5/13, 6/14	Helicopter	No new nests. Two adults on 1/4, 2/1, and 4/15. One adult on 3/17.
	2000	1/3, 1/31, 3/23, 4/17	Helicopter	No new nests. One adult and subadult on 3/23
Coolidge	2000	1/17, 2/1, 3/6	Helicopter Ground	One adult incubating in new nest #4 on 3/6.
Devil's Post	1999	2/1, 4/15	Helicopter	All known nests are empty. No new nests or bald eagles.
	2000	1/3, 3/23, 4/17	Helicopter	No new nests or adult bald eagles. Two golden eagles in nest #7 on 4/17.
Dupont	1999	1/5, 2/2, 3/18, 4/16, 5/13	Helicopter	All known nests empty. No new nests or bald eagles. Nest #2 newly constructed on 2/2.
East Verde	2000	1/3, 1/31, 3/23, 4/17, 5/15	Helicopter	No new nests. Two adults in nest #6 on 1/31. One adult in area on 1/3 and two adults on 3/23.
Fort McDowell	1999	1/4	Helicopter	Nest #6 blew out prior to 1/4.
Granite Basin	2000	1/17, 2/1, 3/22, 4/20	Helicopter	All known nests empty. No new nests. Nest #1 newly constructed and two adults in area on 1/17.
Horseshoe	1999	1/4	Helicopter	New nest #12 found on 1/4.

Table 8 (continued).				
Breeding Area	Year	Date	Method	Results
Ive's Wash	1999	2/1, 4/15	Helicopter	All known nests empty. No new nests. Two adults on 4/15.
	2000	1/3, 1/31, 3/23, 4/17, 5/15	Helicopter	All known nests empty. No new nests or bald eagles. Nest #3 newly constructed on 1/3, and 3/23.
Ladders	2000	1/3, 1/31, 3/23, 4/17, 5/15	Helicopter	All known nests empty, No new nests. Two adults in area on 1/3 and one adult on 1/31, 3/23, 4/17, and 5/15.
Mule Hoof	1999	1/7, 2/2, 4/16, 5/13	Helicopter	All known nests empty. No new nests or bald eagles.
	2000	1/7, 2/1, 3/22	Helicopter	All known nests empty. No new nests or bald eagles.
Orme	1999	1/4, 1/5, 2/1, 3/17	Helicopter	One adult incubating in nest #1 on 2/1. One adult incubating second clutch in Blue Point nest #2 (renamed Orme nest #5) on 3/17. One adult on 1/4.
	2000	1/17, 1/31, 2/1, 3/10	Helicopter, Ground	New nest #6 found on 3/10. One adult near nest #5 on 1/17 and 2/1. Two adults standing in nest #1 on 1/31.
Perkinsville	1999	1/4, 2/1, 4/15	Helicopter	All known nests empty. No new nests. One adult on 1/4, 2/1, and 4/15.
	2000	1/3, 1/31, 3/23	Helicopter	One adult incubating and second adult in new nest #4 on 3/23. Two adults near old nest #3 location on 1/3.
Pinal	1999	1/5, 2/2, 3/18, 4/16	Helicopter	All known nests empty. No new nests. Two adults and one adult on 1/5 and 4/16, respectively.
	2000	1/17, 2/1, 3/22	Helicopter	One adult incubating in new nest #6 on 3/22. Two adults in area on 2/1.
Pinto	2000	1/17, 2/1, 3/22, 4/20, 5/15	Helicopter	Nest #3 fell, new nest #4 found, and two adults in area on 1/17. Two adults standing in nest #4 on 2/1. One adult in area on 4/20.
San Carlos	1999	1/5, 2/2, 3/18	Helicopter	All known nests empty. Found new nest #3 and one subadult in area on 1/5. One adult in area on 2/2.
Sheep	2000	8/22	Ground	Artificial nest #3 built. Nest #1 lost all supporting branches and is sitting on trunk.
Sycamore	2000	1/3, 1/31	Helicopter	One adult incubating in new nest #3 and a second adult in area on 1/31. Two adults in area on 1/3.
Winkelman	1999	1/5, 2/2, 3/18	Helicopter	All known nests empty. No new nests. One adult in area on 1/5.
	2000	1/17, 2/1, 3/22, 4/20	Helicopter	All known nests empty. No new nests or bald eagles.

APPENDIX E: 1999 WINTER COUNT/ORAL FLIGHT SUMMARIES

Table 9. Results of January 4, 1999, winter count.			
Location	Time	Status ¹	Comments
Orme	0759	O	All known nests empty. One adult standing in nest #1.
Sycamore	0805	O	Two adults standing in nest #2.
Doka	0810	A	One adult incubating in nest #1.
Ft. McDowell	0811	U	All known nests empty. Nest #6 fell. No bald eagles.
Box Bar	0819	O	Nest #2 fell. Two adults and one subadult in area.
Needle Rock historical BA	0821	---	No new nests or bald eagles.
Bartlett	0823	O	Two adults standing in nest #2.
Cliff	0849	O	All known nests empty. One adult in area, one adult downstream.
Horseshoe	0943	O	All known nests empty. Found new nest #12 near Chalk Mountain. Two adults and one subadult on lake.
Table Mountain	0952	O	All known nests empty. One adult above nest #4.
LF historical BA	1032	---	One adult downstream.
East Verde	1042	O	All known nests empty. Two adults near nest #6.
Coldwater	1048	O	All known nests empty. One adult upstream from nest #2.
Ladders	1057	O	All known nests empty. One adult upstream from nest #4.
Camp Verde	1135	U	No bald eagles.
Tower	1354	O	All known nests empty. One adult on Peck's Lake, one adult upstream of BA.
R.R. Tunnel nest site	1402	---	All known nests empty. Four adults in area.
Perkinsville	1405	U	One adult upstream.
Hell Point historical BA	1415	---	All known nests empty. No bald eagles.
Muldoon historical BA	1420	---	All known nests empty. One subadult in area.
Granite nest site	1422	---	All known nests empty. No bald eagles.
Sullivan Lake nest site	1424	---	All known nests empty. No bald eagles.
Sullivan historical BA	1425	---	All known nests empty. No bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code

Table 10. Results of January 5, 1999, winter count.			
Location	Time	Status ¹	Comments
Orme	0804	O	All known nests empty. No bald eagles.
Granite Reef nest site	0807	---	All known nests empty. No bald eagles.
Blue Point	0812	O	All known nests empty. Two adults near nest #2.
Horse Mesa	0839	O	One adult standing in nest #4.
Tonto	0900	U	All known nests empty. No bald eagles.
Sheep	0913	O	All known nests empty. One adult upstream of nest #1.
76	0925	O	Two adults standing in nest #3.
Dupont	0943	U	All known nests empty. No bald eagles.
Pinto	1119	O	Two adults standing in nest #3.
Pinal	1127	O	All known nests empty. Two adults on power lines.
Redmond	1138	U	All known nests empty. No bald eagles.
Tanks Canyon	1220	---	Two adults observed.
Ash historical BA	1223	---	All known nests empty. No bald eagles.
Talkalai	1351	O	All known nests empty. One adult near Talkalai Lake.
San Carlos	1407	O	All known nests empty. One subadult near new nest #3.
Winkelman	1519	U	All known nests empty. One adult upstream on Gila River.
Coolidge	1544	O	All known nests empty. Two adults and 10 subadults in area.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 11. Results of January 7, 1999, winter count.			
Location	Time	Status ¹	Comments
Cibecue	1022	O	All known nests empty. Two adults upstream of nest #1.
Canyon	1031	U	All known nests empty. No bald eagles.
Mule Hoof	1049	U	All known nests empty. No bald eagles.
Cedar Basin	1106	O	All known nests empty. Two adults upstream.
Lone Pine	1118	O	All known nests empty. Two adults in area.
Lower Black River Tanks	1414	---	One adult on Nash Creek Reservoir.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 12. Results of January 15, 1999, winter count.			
Location	Time	Status ¹	Comments
Willow historical BA	1031	---	One adult in area.
Eagle historical BA	1055	---	All known nests empty. One adult in area.

¹ BA status codes (Postupalsky 1974): ---=is not a BA therefore does not receive a status code.

Table 13. Results of February 1, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Orme	0804	A	One adult incubating in nest #1
Lower Salt River	0805	---	One adult near Blue Point nest #2, second adult on lake.
Blue Point	0814	A	One adult incubating in nest #7.
Horse Mesa	0828	A	One adult incubating in nest #4.
Lower Verde River	0839	---	No new nests. Two subadults below HWY 87.
Sycamore	0842	A	One adult incubating in nest #2.
Doka	0847	A	Two adults standing in nest #1.
Ft. McDowell	0848	A	One adult incubating in nest #17. Second adult standing in nest #16.
Box Bar	0851	O	Two adults standing in nest #3.
Needle Rock historical BA	0852	---	No new nests. One adult in area.
Cliff	0904	O	No new nests. Two adults in area.
Horseshoe	0915	A	One adult incubating in nest #11. Second adult in area.
Table Mountain	0918	O	All known nests empty. One adult above nest #4.
East Verde	0927	A	One adult incubating in nest #6.
Coldwater	0931	A	One adult incubating in nest #8.
Ladders	0937	O	One adult standing in nest #4.
Camp Verde	0944	U	No new nests or bald eagles.
Upper Verde River	0950	---	No new nests or bald eagles.
Roger's Lake	1058	---	Two adults on lake. No new nests.
Lower Lake Mary historical BA	1111	---	All known nests empty. No new nests. One adult near Walnut Canyon.
Upper Lake Mary historical BA	1115	---	All known nests empty. No new nests. Two adults in area.
Tower	1157	A	One adult incubating in nest #8.
Mormon Pocket nest site	1202	---	All known nests empty. No new nests or bald eagles.
R.R. Tunnel nest site	1203	---	All known nests empty. No new nests or bald eagles. Four adults and four subadults in area.
Perkinsville	1207	U	No new nests. One adult near nest #3 location.
Hell Point historical BA	1213	---	All known nests empty. No new nests or bald eagles.
Muldoon historical BA	1218	---	All known nests empty. No new nests or bald eagles.
Granite nest site	1220	---	All known nests empty. No new nests or bald eagles.
Sullivan Lake nest site	1222	---	All known nests empty. No new nests or bald eagles.
Sullivan historical BA	1223	---	No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 13. (continued)			
Location	Time	Status ¹	Comments
Devil's Post	1413	U	All known nests empty. No new nests or bald eagles.
Burro Creek, Six Mile	1417	---	No new nests or bald eagles.
Alamo	1439	A	One adult incubating in nest #4. Second adult at north end of lake.
Ive's Wash	1445	O	All known nests empty. No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 14. Results of February 2, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Sheep	0819	A	One adult incubating in nest #1. Second adult in area.
76	0826	A	One adult incubating in nest #3. Second adult in area.
Dupont	0837	O	Nest #2 newly constructed. No bald eagles.
Pinto	0851	A	One adult incubating in nest #3.
Pinal	0858	O	All known nests empty. No new nests or bald eagles.
Redmond	0902	U	All known nests empty. No new nests or bald eagles.
Canyon	1034	O	Nest #6 newly constructed. Two new nests (#9, #10) found in sycamore trees near nest #6. One adult flying near nest #8.
Cibecue	1041	O	All known nests empty. No bald eagles. Nest #2 newly constructed.
Mule Hoof	1053	U	All known nests empty. No new nests or bald eagles.
Upper Salt River	1054	---	No new nests or bald eagles.
Cedar Basin	1111	O	All known nests empty. No new nests. One adult and three subadults in area.
Lone Pine	1117	O	All known nests empty. Nest #2 newly constructed. No new nests. Three adults and four subadults in area.
Lower Black River Tanks	1132	---	No new nests. Four adults at tanks.
Tanks Canyon	1242	---	No new nests or bald eagles.
Ash historical BA	1251	---	All known nests empty. No new nests or bald eagles.
Talkalai	1354	A	One adult incubating in nest #4. Second adult on Talkalai Lake.
San Carlos	1405	O	Nest #3 newly constructed. No new nests. One adult near nest #2.
Coolidge	1411	O	All known nests empty. One adult and two subadults in area.
Lower Gila River	1451	---	No new nests. Five subadults in area.
Winkelman	1457	U	All known nests empty. No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 15. Results of March 17, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Orme	0758	A	One adult incubating second clutch in Blue Point nest #2.
Blue Point	0803	A	One adult brooding small young in nest #7.
Lower Salt River	0811	---	No new nests. One adult near Horse Mesa Dam.
Horse Mesa	0815	A	One adult brooding small young in nest #4.
Cliff	0850	O	No new nests. One adult perched near nest #4 location.
Horseshoe	0922	A	Two 2.5 week old nestlings in nest #11.
Table Mountain	0928	A	One adult incubating in nest #4.
East Verde	0936	A	Two three week old nestlings in nest #6.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 16. Results of March 18, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Sheep	0825	A	One adult and two 3.5 week old nestlings in nest #1.
76	0839	A	One adult and one three week old nestling in nest #3.
Dupont	0853	O	All known nests empty. No bald eagles.
Pinto	0911	A	One adult brooding small young in nest #3
Pinal	0915	O	All known nests empty. No new nests or bald eagles.
Redmond	0923	A	One adult incubating in nest #5.
Tanks Canyon	0940	---	No new nests or bald eagles.
Ash historical BA	0944	---	All known nests empty. No bald eagles.
Talkalai	1017	F	One adult incubating forty-four days in nest #4.
San Carlos	1026	O	All known nests empty. No new nests or bald eagles.
Coolidge	1035	A	One adult incubating in nest #2.
Lower Gila River	1249	---	Found new nest (Granite Basin #1). One adult incubating.
Winkelman	1255	U	All known nests empty. No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 17. Results of April 15, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Lower Verde River	0810	---	No new nests. One adult and one subadult downstream of HWY 87 bridge.
Box Bar	0825	F	All known nests empty. No bald eagles.
Cliff	0836	O	No new nests. Two adults downstream of BA.
Horseshoe	0900	A	Two six week old nestlings in nest #11. One adult in area.
Table Mountain	0913	A	One four week old nestling in nest #4.
LF historical BA	0926	---	No new nests or bald eagles.
Cold Springs	0945	---	No new nests or bald eagles.
East Verde	0958	A	Two seven week old nestlings in nest #6.
Coldwater	1000	A	One adult incubating second clutch in nest #8.
Ladders	1006	A	Two six week old nestlings in nest #3.
West Clear Creek	1008	---	No new nests or bald eagles.
Camp Verde	1017	U	No new nests or bald eagles.
Upper Verde River	1025	---	No new nests or bald eagles.
R.R. Tunnel nest site	1044	---	All known nests empty. No new nests or bald eagles.
Perkinsville	1047	U	No new nests. One adult in area.
Hell Point historical BA	1058	---	All known nests empty. No new nests or bald eagles.
Muldoon historical BA	1110	---	All known nests empty. No new nests or bald eagles.
Granite nest site	1113	---	All known nests empty. No new nests or bald eagles.
Sullivan Lake nest site	1115	---	All known nests empty. No new nests or bald eagles.
Sullivan historical BA	1116	---	No new nests or bald eagles.
Watson Lake nest site	1252	---	Two golden eagle nestlings in nest.
Lynx Lake nest site	1255	---	All known nests empty. One osprey in area.
Devil's Post	1321	U	All known nests empty. No new nests or bald eagles.
Burro Creek, Six Mile	1340	---	No new nests or bald eagles.
Chino historical BA	1345	---	No new nests or bald eagles.
Alamo	1400	F	All known nests empty. One adult in area.
Ive's Wash	1420	O	All known nests empty. Two adults in area.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 18. Results of April 16, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Lower Salt River	0825	---	All known nests empty. No new nests or bald eagles.
Horse Mesa	0840	A	Two four week old nestling in nest #4.
Dupont	0858	O	All known nests empty. No bald eagles.
Pinto	0911	A	Two six week old nestlings in nest #3.
Pinal	0914	O	All known nests empty. No new nests One adult in area.
Redmond	0924	A	One two week old nestling in nest #5. Two adults in area.
Canyon	1058	O	All known nests empty. No new nests or bald eagles.
Cibecue	1120	A	One adult incubating in nest #2.
Mule Hoof	1123	U	All known nests empty. No new nests or bald eagles.
Cedar Basin	1131	O	All known nests empty. No new nests or bald eagles.
Lone Pine	1140	A	Two three week old nestlings in nest #2.
Lower Black River Tanks	1200	---	No new nests or bald eagles .

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 19. Results of May 13, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Blue Point	0741	A	One 10 week old eaglet in nest #7.
Lower Salt River	0744	---	All known nests empty. No new nests or bald eagles.
Horse Mesa	0755	A	One eight week old nestling in nest #4.
Tonto	0803	S	One adult and one juvenile in nest #2 tree.
Sheep	0809	A	One 10 week old nestling in nest #1.
76	0811	A	One 10 week old nestling in nest #3.
Dupont	0827	O	All known nests empty. No new nests or bald eagles.
Pinto	0836	A	Two nine week old nestlings in nest #3.
Redmond	0843	F	One 4.5 week old nestling in nest #5.
Canyon	0857	O	All known nests empty. No new nests or bald eagles.
Cibecue	1021	A	Two 4.5 week old nestlings in nest #2.
Mule Hoof	1025	U	All known nests empty. No new nests or bald eagles.
Lone Pine	1031	A	Two 6.5 week old nestlings in nest #2.
Tower	1335	A	Two 10 week old nestlings in nest #8.
Ladders	1355	A	Two 10.5 week old nestlings and one adult in nest #3.
Coldwater	1400	F	All known nests empty. No bald eagles.
East Verde	1405	A	Two 10 week old nestlings in nest #6.
Table Mountain	1412	A	One nine week old nestling in nest #4.
Horseshoe	1415	A	Two 11 week old nestlings and one adult in nest #11.
Cliff	1420	O	No new nests or bald eagles.
Bartlett	1435	S	All known nests empty. Two adults in area.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 20. Results of June 14, 1999, ORA flight.			
Location	Time	Status ¹	Comments
Cliff	0745	O	All known nests empty. No new nests or bald eagles.
Horseshoe	0801	S	All known nests empty.
Table Mountain	0806	S	One juvenile standing in nest #4.
East Verde	0812	S	All known nests empty.
Ladders	0820	S	One juvenile standing in nest #3. One three year old in area.
Camp Verde	0823	U	No new nests or bald eagles.
Tower	0851	S	All known nests empty.
76	0920	S	All known nests empty. One adult downstream.
Sheep	0930	S	All known nests empty.
Pinto	0948	S	All known nests empty. One juvenile in nest #3 tree.
Redmond	0954	S	All known nests empty.
Horse Mesa	1123	S	All known nests empty.
Blue Point	1132	S	All known nests empty. One juvenile flying in area.
Orme	1137	S	All known nests empty.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

APPENDIX F: 2000 WINTER COUNT/ORAL FLIGHT SUMMARIES

Table 21. Results of January 3, 2000, winter count.			
Location	Time	Status ¹	Comments
Sycamore	0822	O	All known nests empty. Two adults in area.
Doka	0824	A	One adult incubating in nest #1. Second adult in area.
Ft. McDowell	0825	O	All known nests empty. No bald eagles.
Box Bar	0834	O	One adult standing in nest #3.
Needle Rock historical BA	0836	---	No bald eagles.
Bartlett	0838	O	Two adults standing in nest #2.
Cliff	0854	U	All known nests empty. No bald eagles.
Horseshoe	0910	O	All known nests empty. Two adults on lake.
Table Mountain	0926	O	One adult standing in nest #4. One adult at Red Creek.
LF historical BA	0941	---	One adult and two subadults in area.
East Verde	0949	O	All known nests empty. One adult in area.
Coldwater	1000	O	Two adults standing in nest #3.
Ladders	1004	O	All known nests empty. Two adults in area.
Camp Verde	1008	U	All known nests empty. No bald eagles.
Tower	1304	O	All known nests empty. One adult in area.
R.R. Tunnel nest site	1310	---	All known nests empty. One near-adult in area.
Perkinsville	1313	U	Two adults near old nest #3 location.
Hell Point historical BA	1320	---	All known nests empty. No bald eagles.
Muldoon historical BA	1323	---	All known nests empty. No bald eagles.
Granite nest site	1328	---	All known nests empty. One adult in area.
Sullivan Lake nest site	1331	---	All known nests empty. One adult in area.
Sullivan historical BA	1332	---	All known nests empty. No bald eagles.
Watson Lake nest site	1341	---	All known nests empty. No bald eagles.
Lynx Lake nest site	1347	---	All known nests empty. One adult in area.
Devil's Post	1425	U	All known nests empty. No bald eagles.
Burro Creek, Six Mile	1432	---	No bald eagles.
Alamo	1445	U	All known nests empty. No bald eagles.
Ive's Wash	1458	O	All known nests empty. Nest #3 newly constructed. No bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code

Table 22. Results of January 6, 2000, winter count.			
Location	Time	Status ¹	Comments
Willow historical BA	1008	---	No bald eagles.
Eagle historical BA	1034	---	All known nests empty. No bald eagles.

¹ BA status codes (Postupalsky 1974):---=is not a BA therefore does not receive a status code.

Table 23. Results of January 7, 2000, winter count.			
Location	Time	Status ¹	Comments
Cibecue	1012	O	All known nests empty. One adult near nest #1.
Canyon	1031	O	All known nests empty. Two adults near nest #6.
Mule Hoof	1047	U	All known nests empty. No bald eagles.
Upper Salt River	1048	---	No new nests or bald eagles.
Cedar Basin	1058	O	All known nests empty. One adult and two subadults in area.
Lone Pine	1116	O	All known nests empty. Three adults and one subadult in area.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 24. Results of January 17, 2000, winter count.			
Location	Time	Status ¹	Comments
Granite Reef nest site	0759	---	All known nests empty. No bald eagles.
Orme	0802	O	All known nests empty. One adult near nest #5.
Blue Point	0813	A	One adult incubating in nest #7.
Lower Salt River	0819	---	One adult near Mormon Flat Dam.
Horse Mesa	0828	O	All known nests empty. Nest #4 newly constructed. No bald eagles.
Tonto	0839	O	All known nests empty. Two adults upstream of nest #2.
Sheep	0854	U	All known nests empty. No bald eagles.
76	0901	O	All known nests empty. One adult in area.
Dupont	0919	O	All known nests empty. Nest #2 newly constructed. No bald eagles.
Pinto	1042	O	All known nests empty. Nest #3 fell. Found new nest #4. Two adults in area.
Pinal	1050	U	All known nests empty. No bald eagles.
Redmond	1057	U	All known nests empty. No bald eagles.
Tanks Canyon	1128	---	One adult and one subadult on tanks.
Ash historical BA	1136	---	All known nests empty. No bald eagles.
Talkalai	1243	O	All known nests empty. One adult on Talkalai Lake.
San Carlos	1301	O	All known nests empty. One subadult in area.
Coolidge	1329	O	All known nests empty. One subadult in area.
Granite Basin	1408	O	All known nests empty. Nest #1 newly constructed. Two adults in area.
Winkelman	1425	U	All known nests empty. No bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 25. Results of January 31, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Orme	0835	O	Two adults standing in nest #1.
Lower Verde River	0837	---	No new nests. One adult below HWY 87 bridge.
Sycamore	0843	O	Adult incubating in new nest #3. Second adult in area.
Doka	0847	A	One adult brooding in nest #1.
Ft. McDowell	0849	A	One adult incubating in nest #17. Second adult in area.
Bartlett	0854	A	One adult incubating in nest #1.
Cliff	0910	U	All known nests empty. No new nests or bald eagles.
Horseshoe	0919	A	One adult incubating in nest #11.
Table Mountain	0825	O	All known nests empty. Nest #4 newly constructed. One adult and one subadult in area.
LF historical BA	0941	---	No new nests or bald eagles.
East Verde	0950	O	Two adults standing in nest #6.
Coldwater	0957	O	All known nests empty. Nest #8 newly constructed. One adult in area.
Ladders	1003	O	All known nests empty. One adult in area.
Camp Verde	1017	U	No new nests. One near-adult in area.
Tower	1048	O	All known nests empty. No new nests. One adult at Peck's Lake.
Upper Verde River	1049	---	No new nests or bald eagles.
R.R. Tunnel nest site	1051	---	All known nests empty. No new nests. One adult in area.
Perkinsville	1057	U	All known nests empty. No new nests or bald eagles.
Hell Point historical BA	1105	---	All known nests empty. No new nests or bald eagles.
Muldoon historical BA	1107	---	All known nests empty. No new nests. One subadult in area.
Granite nest site	1108	---	All known nests empty. No new nests. One adult and one subadult in area.
Sullivan Lake nest site	1112	---	All known nests empty. No new nests or bald eagles.
Sullivan historical BA	1113	---	All known nests empty. No new nests or bald eagles.
Watson Lake nest site	1243	---	All known nests empty. No new nests or bald eagles.
Alamo	1317	O	One adult standing in nest #4.
Ive's Wash	1331	O	All known nests empty. No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 26. Results of February 1, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Orme	0823	O	All known nests empty. No new nests. One adult in area.
Blue Point	0830	A	One adult incubating in nest #7.
Lower Salt River	0838	---	All known nests empty. No new nests. One adult near Horse Mesa Dam.
Horse Mesa	0843	A	One adult incubating in nest #4.
Tonto	0850	A	One adult incubating in nest #2.
Sheep	0858	A	One adult incubating in nest #1.
76	0905	A	One adult incubating in nest #3.
Dupont	0913	O	All known nests empty. No new nests or bald eagles.
Pinto	0926	O	Two adults standing in nest #4.
Pinal	0933	O	All known nests empty. Two adults in area.
Redmond	0939	A	One adult incubating in nest #5.
Canyon	1117	O	All known nests empty. No new nests or bald eagles.
Cibecue	1131	O	All known nests empty. No new nests or bald eagles.
Mule Hoof	1133	U	All known nests empty. No new nests or bald eagles.
Cedar Basin	1146	O	One adult standing in nest #3.
Lone Pine	1154	O	All known nests empty. Two adults in area.
Talkalai	1350	A	All known nests empty. New nest found near Talkalai Lake #7. No bald eagles.
San Carlos	1405	O	All known nests empty. Nest #3 newly constructed. No new nests or bald eagles.
Suicide	1410	A	One adult incubating in nest #1.
Coolidge	1423	O	All known nests empty. No new nests or bald eagles.
Granite Basin	1430	O	All known nests empty. No new nests or bald eagles.
Lower Gila River	1435	---	No new nests or bald eagles.
Winkelman	1443	U	All known nests empty. No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 27. Results of March 22, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Blue Point	0756	F	One adult standing in new nest #10.
Horse Mesa	0813	A	Two 2.5 week old nestlings in nest #4.
Tonto Creek	0820	---	No new nests or bald eagles.
76	0836	A	Two 2.5 week old nestlings in nest #3.
Dupont	0847	A	One adult incubating in nest #2.
Pinto	0856	O	All known nests empty. No new nests or bald eagles.
Pinal	0904	A	One adult incubating in a new nest #6.
Redmond	0911	A	One two week old nestling and one adult in nest #5.
Canyon	1116	O	All known nests empty. No new nests or bald eagles.
Cibecue	1142	O	All known nests empty. Nest #2 newly constructed. No new nests or bald eagles.
Mule Hoof	1145	U	All known nests empty. No new nests or bald eagles.
Cedar Basin	1200	O	All known nests empty. No new nests or bald eagles.
Lone Pine	1210	A	One adult incubating in nest #2.
Lower Black River Tanks	1228	---	No new nests or bald eagles.
Tanks Canyon	1352	---	No new nests or bald eagles.
Ash historical BA	1354	---	All known nests empty. No new nests or bald eagles.
Talkalai	1415	A	One adult incubating in new nest #7.
San Carlos	1427	A	One adult incubating in nest #3.
Suicide	1435	A	Three two week old nestlings in nest #1.
Coolidge	1441	A	One adult incubating in nest #4.
Granite Basin	1514	O	All known nests empty. No new nests or bald eagles.
Winkelman	1528	U	All known nests empty. No new nests or bald eagles.

¹ BA status codes (Postupalsky 1974): U=unoccupied, O=occupied, A=active, S=successful, F=failed, ---=is not a BA therefore does not receive a status code.

Table 28. Results of March 23, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Sycamore	0745	A	One adult near nest #3.
Bartlett	0755	F	All known nests empty. One adult standing in nest #2.
Cliff	0806	O	No new nests. One adult and one subadult upstream.
Table Mountain	0823	A	One adult incubating in nest #4.
LF historical BA	0832	---	No new nests or bald eagles.
East Verde	0843	O	All known nests empty. No new nests. One adult in area, second adult upstream.
Coldwater	0852	A	One adult incubating and second adult in nest #3.
Ladders	0901	O	All known nests empty. No new nests. One adult near Beasley Flats.
Camp Verde	0905	U	No new nests or bald eagles.
Perkinsville	0943	A	One adult incubating and second adult in new nest #4.
Hell Point historical BA	0952	---	All known nests empty. No new nests or bald eagles.
Muldoon historical BA	0957	---	All known nests empty. No new nests. One adult in area.
Watson Lake nest site	1128	---	All known nests empty. No new nests or bald eagles.
Devil's Post	1157	U	All known nests empty. No new nests or bald eagles.
Burro Creek, Six Mile	1209	---	All known nests empty. No new nests or bald eagles.
Alamo	1227	A	One adult shading one two week old nestling in nest #4
Ive's Wash	1242	O	All known nests empty. Nest #3 newly constructed. No new nests or bald eagles.

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Table 29. Results of April 17, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Lower Verde River	0741	---	No new nests or bald eagles.
Needle Rock historical BA	0754	---	One adult and two near-adults in area.
Bartlett	0800	F	All known nests empty. No bald eagles.
Cliff	0810	O	All known nests empty. No new nests or bald eagles.
Table Mountain	0835	F	All known nests empty. No new nests or bald eagles.
LF historical BA	0847	---	No new nests or bald eagles.
East Verde	0900	O	All known nests empty. No new nests or bald eagles.
Coldwater	0913	A	Two three week old nestlings in nest #3.
Ladders	0927	O	All known nests empty. No new nests. One adult near Beasley Flats.
Camp Verde	0942	U	No new nests or bald eagles.
Upper Verde River	0959	---	No new nests or bald eagles.
Perkinsville	1020	A	One three week old nestling and two adults in nest #4.
Hell Point historical BA	1041	---	All known nests empty. No new nests or bald eagles.
Muldoon historical BA	1045	---	All known nests empty. No new nests or bald eagles.
Sullivan historical BA	1049	---	All known nests empty. No new nests or bald eagles.
Watson Lake nest site	1227	---	All known nests empty. No new nests or bald eagles.
Lynx Lake nest site	1232	---	One osprey incubating in nest. No bald eagles.
Devil's Post	1306	U	Two goldens in nest #7. No new nests or bald eagles.
Burro Creek, Six Mile	1309	---	No new nests or bald eagles.
Alamo	1337	A	One four week old nestling and one adult in nest #4.
Ive's Wash	1345	O	All known nests empty. No new nests or bald eagles.

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Table 30. Results of April 20, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Granite Reef nest site	0714	---	Osprey's incubating/brooding in nest. One adult bald eagle in area.
Lower Salt River	0726	---	All known nests empty. No new nests or bald eagles.
Blue Point	0730	F	All known nests empty. Nest #10 newly constructed. No new nests or bald eagles.
Horse Mesa	0748	A	Two five week old nestlings and one adult in nest #4.
Dupont	0810	A	One adult incubating/brooding in nest #2.
Pinto	0914	O	All known nests empty. No new nests. One adult in area.
Pinal	0920	A	Two three week old nestling in nest #6.
Redmond	0927	A	One five week old nestling in nest #5.
Lone Pine	1001	A	Two four week old nestlings in nest #2.
Talkalai	1030	F	All known nests empty. No new nests or bald eagles.
San Carlos	1046	F	All known nests empty. No new nests. One adult in area.
Suicide	1052	A	Three five week old nestlings and two adults in nest #1.
Coolidge	1056	F	All known nests empty. No new nests. One adult in area.
Granite Basin	1121	O	All known nests empty. No new nests or bald eagles.
Lower Gila River	1133	---	All known nests empty. No new nests or bald eagles.
Winkelman	1141	U	All known nests empty. No new nests or bald eagles.

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Table 31. Results of May 15, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Ive's Wash	0821	O	All known nests empty. No new nests or bald eagles.
Alamo	0830	A	One 9.5 week old nestling and one adult in nest #4.
Perkinsville	0924	A	One nine week old nestling in nest.
Ladders	0943	O	All known nests empty. No new nests. One adult in area.
Coldwater	0952	A	Two seven week old nestlings in nest #3.
East Verde	0955	O	All known nests empty. No bald eagles.
Table Mountain	1002	F	All known nests empty. No bald eagles.
Horseshoe	1007	S	One nestling in nest #11. Two adults in area.
76	1142	A	Two nestlings in nest #3.
Dupont	1203	F	All known nests empty. No bald eagles.
Pinto	1218	O	All known nests empty. No bald eagles.
Pinal	1221	A	Two two week old nestlings in nest #6.
Redmond	1225	A	One nine week old nestling in nest #5.
Lone Pine	1242	F	One adult and one subadult in area.
Suicide	1328	A	Three 10 week old nestlings and one adult in nest #1.
Horse Mesa	1409	A	One 8.5 week old nestling and one adult in nest #4.

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Table 32. Results of June 9, 2000, ORA flight.			
Location	Time	Status ¹	Comments
Alamo	0807	S	All known nests empty.
Perkinsville	0857	S	One juvenile flying in area.
Tower	0904	S	One adult and one juvenile flying in area.
Upper Verde River	0907	---	No new nests or bald eagles.
Coldwater	0931	F	Both young dead in nest at 5-7 weeks development.
Horseshoe	0955	S	All known nests empty.
76	1113	S	Two juveniles flying in area.
Pinal	1139	F	All known nests empty.
Redmond	1147	S	All known nests empty.
Horse Mesa	1200	S	All known nests empty.

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