

Table 1. Arizona bald eagle breeding area productivity, 2016.

Breeding Area	Status ¹	Nest ²	Incubation Date	Eggs	Hatch Date	Young	Fledged	Fledge Date
Alamo	S	4	<1/12	2	1/12-1/29	2	2	>4/12
Armer Gulch	S	1	<1/13	2	2/2-3/8	2	2	>4/22
Ashurst	F	1	<5/6	1	<5/6	1	Failed 5/9.	
Bachelor Cove	S	1	<1/13	2	1/13-2/9	2	2	3/16-4/22, >4/22
Bagley	U							
Bartlett	U							
Beaver	S	1	1/4-1/29	1	1/29-3/18	1	1	>5/6
Becker	S	2	<2/8	3	2/8-3/29	3	2	>5/27
		One nestling removed due to attempted siblicide and fostered into Show Low BA.						
Bill Williams	U							
Black Cross	F	1	<1/13	1	Failed by 3/16 during incubation.			
Blue Point	S	2	<1/13	2	2/2-3/16	2	2	3/16-4/21
Box Bar*	O	Two adults observed throughout season.						
Buckeye	S	1	<1/5	2	1/5-2/10	2	2	4/7-4/27
Bulldog	S	2	<1/13	1	2/2-3/16	1	1	>5/6
Burro Creek	F	2	<3/18	1	Failed by 4/21.			
Campaign Bay	U							
Canyon de Chelly	S	2	<5/5	2	<5/5	2	2	6/15-6/17, >6/17
Cedar Basin	U							
Chevelon	S	4	<3/7	2	3/7-4/26	2	2	>6/7
Cibecue	F	2	1/14-3/16	1	Failed by 4/22.			
Cliff*	F	9	2/5	1	3/14-3/17	1	Failed 3/21 hatchling.	
Coldwater	U							
Coolidge	U							
Crescent	S	1	1/14-3/16	1	3/16-4/16	1	1	7/15
Dogtown	S	2	<5/6	2	<5/6	2	2	7/19-7/21
Doka*	O							
East Verde	S	6	<1/4	2	1/29-3/18	2	2	>4/21
Elaine	S	1	<2/24	2	2/24-4/15	2	2	6/15-6/21
Fish Creek	S	1	<1/13	1	2/2-3/16	1	1	>5/6
Fort McDowell*	F	15	<1/4	1	1/4-1/29	1	Failed by 2/5 hatchling.	
Gainey Ranch	S	1	1/20-2/2	2	2/2-3/6	2	2	5/19, 5/26
Garden Lakes	F	1	<12/31	1	Failed by 2/26.			
Gilbert	U							
Goldfield*	S	4	<1/13	2	1/13-2/2	2	2	4/11-4/15, 4/23
Granite Basin	U							
Granite Reef*	S	6	<1/13	2	2/15-2/18	2	2	5/14-5/15
Greer Lakes	F	6	<3/16	1	Failed by 4/22 during incubation.			
Horse Mesa	S	4	<1/13	2	2/2-3/16	2	1	>4/22
Horseshoe	S	16	<2/18	2	2/18-3/18	2	2	>5/6
Ive's Wash	S	5	1/12-2/9	2	1/29-3/4	2	1	>5/20
Kachina Village	F	1	<3/30	1	Failed by 4/21.			
Kerr*	O	Adult and sub-adult in area.						
Ladders	F	3	1/29-3/18	1	Failed 4/27 during incubation.			
Lone Pine	U							
Lower Lake Mary	S	3	<3/3	2	3/3-4/15	2	2	>6/16
Luna*	S	1	<2/8	2	3/8	2	2	5/25, 5/27
Lynx	F	4	1/9-2/10	1	2/10-3/18	1	Failed by 4/21.	
Mohave	F	1	<2/10	1	2/10-3/30	1	Failed by 5/2.	
Needle Rock	U							
Nevada Bay	U							
Oak Creek	S	4	1/9-1/29	1	1/29-3/11	1	1	>5/6
Orme*	F	10	2/14-2/19	1	3/20	1	Failed by 4/21.	
Pee Posh Wetlands	S	4	<1/5	1	1/5-1/29	1	1	4/13

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

² Nest numbers are from Hunt and others 1992; and subsequent Nongame Technical Reports (e.g., McCarty and Jacobson 2010).

* Nests monitored by the Arizona Bald Eagle Nestwatch Program.

Shaded = new breeding area

Breeding Area	Status ¹	Nest ²	Incubation Date	Eggs	Hatch Date	Young	Fledged	Fledge Date
Perkinsville	F	4	1/29-3/18	1	Failed by 4/21.			
Pinal	U							
Pinto	F	9	1/13-2/2	1	2/2-3/16	1	Failed by 4/22.	
Pleasant*	F	4	<1/21	3	3/4	1	Failed by 3/18 as hatchling.	
Redmond	F	5	1/13-2/2	1	Failed by 4/22.			
Riverside	S	1	<1/13	1	1/13-2/2	1	1	4/11-4/21
Rock Creek	U							
Rodeo*	S	5	1/4-1/29	1	2/11-2/19	1	1	5/5
Saguaro	S	1	<1/13	2	2/2-3/16	2	2	>5/6
San Carlos	U							
76	S	6	2/2-3/16	1	3/16-4/22	1	1	>6/4
Sheep	S	7	<1/13	1	2/2-3/8	1	1	>4/22
Sheep Creek	S	1	1/29-3/18	2	3/18-4/21	1	1	>5/25
Show Low Lake	S	1	2/24-3/16	1	3/16-4/5	1	0, 1F ^A	>6/16
		^A Foster-fledged one nestling from Becker breeding area. Show Low Nestling Fostered to Woods Canyon Lake.						
Silver Creek	S	2	<2/3	2	2/24-3/15	2	2	>5/28
Suicide	S	2	<2/3	3	2/2-3/16	3	1	>5/9
Sullivan Lake	S	2	<1/3	2	1/29-2/8	2	2	>4/21
Sycamore	S	7	<1/29	1	2/29-3/4	1	1	5/26
Table Mountain	O	Two adults seen in March and April.						
Talkalai	F	8	<1/13	1	Failed 1/13-2/2 during incubation when nest fell.			
Tapco	F	5	1/27-1/29	1	1/29-3/18	1	Failed by 4/18.	
Tonto	S	5	<1/13	2	1/13-2/2	2	2	4/9, 4/9-4/22.
Tortilla Creek	S	1	<1/13	2	2/2-3/16	2	2	>4/21
Tower	U							
Whiskey Spring*	S	1	<1/4	2	2/5-2/8	2	2	5/1-5/8
White Horse	O	Two adults built new nest but did not lay eggs.						
Woods Canyon	S	9	<3/21	2	4/11-4/14	2*	1, 1F ^A	7/8, 7/9
		*Only one young survived to fledge plus ^A One juvenile was fostered from Show Low Lake.						
Yellow Cliffs	S	1	1/4-1/29	1	1/29-3/18	1	1	>5/6

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Table 2. Summary of Arizona bald eagle productivity 2016.

Number of BAs	81	Number of Active BAs	60
Number of Occupied BAs	65	Number of Failed Breeding Attempts	19
Number of Eggs	97+	Number of Successful Breeding Attempts	41
Nest Success = 41/65	0.63	Number of Young Hatched	79
Mean Brood Size = 65/41	1.59	Number of Young Fledged	65
		Productivity = 65/65	1.0

Table 3. Arizona bald eagle 10-year productivity summary.

	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Number of BAs	81	76	68	68	66	62	62	59	56	53
Number of Occupied BAs	65	59	52	54	54	55	52	50	48	48
Number of Eggs	97+	89+	73+	80+	80+	79+	69+	78+	71+	74+
Number of Active BAs	60	56	47	49	50	51	48	48	44	45
Failed Breeding Attempts	19	17	17	14	19	17	21	19	14	20
Successful Breeding Attempts	41	39	30	35	31	34	27	29	30	25
Number of Young Hatched	79	75	58	73	66	66	57	68	65	61
Number of Young Fledged	65	66	43	58	52	56	44	47	53	42
Nest Success	0.63	0.66	0.58	0.65	0.57	0.62	0.52	0.58	0.63	0.52
Mean Brood Size	1.6	1.7	1.4	1.7	1.7	1.7	1.6	1.6	1.8	1.7
Productivity	1.00	1.12	0.83	1.07	0.96	1.02	0.85	0.94	1.10	0.87

Winter count

284 birds on 93 of 102 routes.
 191 adults
 85 immatures
 17 unknown
 Average 250 birds (since 2005).

Nestwatch

Contractors = 17
 Monitored BAs = 18
 Successful = 10
 Failed = 5
 Occupied-only = 3
 Fledglings = 22

Banding and band reading

Identified 36/130 (27.6%) adults occupying BAs.
 Banded 28 nestlings total.
 Of 64 young fledged, 25 were banded (39%).
 Foreign material in one nest (Riverside: insulation material, baby onesie).

Nest survey

New breeding areas (5)

Ashurst
 Dogtown
 Gainey Ranch
 Garden Lakes
 Kachina

Other breeding areas

Copper Basin (CA): Surveyed 3/30.
 No activity. Nest #1 fallen.

Black Canyon (NV): Surveyed 3/30.
 Adult in nest with two nestlings, 4 weeks old.

New alternate nests (14)

Bill Williams #3
 Burro Creek #2
 Horseshoe #16
 Lone Pine #8
 Lynx #4
 Nevada Bay #4
 Orme #10 (platform 2012)
 Rodeo #5
 Show Low Lake #3
 Sycamore #7
 Table Mountain #6
 Talkalai #9
 Tapco #5
 White Horse #7

Fallen nests (14)

Ashurst #1
 Bill Williams #1
 Gainey Ranch #1
 Granite Reef #5
 Lynx #3
 Lynx #4
 Orme #9
 Pinal #5
 Pinto #8
 Pinto #9
 Rodeo #4
 Talkalai #8
 Tapco #4
 White Horse #2

Rescues

- 1) Becker breeding area (BA): On May 7-8, a nestling (~7 weeks old) was found below the nest and was taken to a local veterinarian. On May 11, AZGFD banded the nestling and returned it to the nest. A few days later the nestling was again found below the nest (apparently a case of rivalry from two bigger siblings). The bird was taken to Liberty Wildlife where it was found to be dehydrated and underweight. On June 10, the juvenile was successfully fostered to the Show Low Lake BA to replace the injured nestling recovered from there on June 8 (see rescue #3).
- 2) Gainey Ranch BA: On May 19, a 10-week old nestling was recovered by Liberty Wildlife from the ground. After Liberty determined that it was pre-fledged and not injured, the bird was banded and returned to the nest by AZGFD on the same day. On May 28, the second nestling from Gainey Ranch was banded and placed back in a tree by AZGFD after being recovered by Liberty Wildlife on May 26. The bird had been found on the ground, possibly due to the nest having deteriorated and fallen.
- 3) Show Low Lake BA: On June 8, an injured 8.5-week old nestling was found below the nest by AZGFD and was taken to Liberty Wildlife. On July 9, the juvenile was released at the Woods Canyon BA.
- 4) Woods Canyon Lake BA: On July 9, a 12-week old nestling was found below the nest. It was hand captured by AZGFD and placed back in a tree along with the Show Low Lake juvenile (see rescue #3). On July 12, one of the juveniles was on the ground again and recovered by AZGFD. The bird was placed back in a tree near the nest.