

California Condors in AZ/UT by Tag

Birds currently in captivity or of unknown status in *italics*, **breeding** or **formerly breeding birds**, **wild-hatched birds**, & **wild-fledged breeding birds** in **bold**.

Tag#	SB#	Age in 2016	Sex	Bred At:	Release/Fledge Year*	Comments
None	114	21	M	SDWAP	1997	
A9	349	12	M	WCBP	2005	
E3	423	10	M	LAZ	2007	
F1	441	9	M	TapeatsCr	2007	
F3	453	9	F	LAZ	2009	
H9	496	8	F	Portland	2011	
J1	521	7	F	WCBP	2011	
J2	520	7	M	SDWAP	2010	
J3	523	7	M	WCBP	2011	
J6	516	7	F	Portland	2011	
J4	541	7	F	WCBP	2011	
K6	586	6	M	WCBP	2012	
L0	620	5	F	WCBP	2012	
L3	593	5	F	Portland	2012	
L4	634	5	F	Battleship	2011	
M1	641	4	M	Portland	2014	
M7	647	4	F	WCBP	2013	
N1	701	3	?	WCBP	2014	
N7	679	3	F	SDWAP	2014	
N8	680	3	M	SDWAP	2014	
N9	719	3	?	Battleship Formation	2013	
p1	731	2	F	WCBP	2015	
p2	752	2	M	WCBP	2015	
p4	743	2	F	SDWAP		
p5	735	2	M	LAZ	2015	
P6	766	2	?	Cane Canyon	2014	Parents 293 and 389

Tag#	SB#	Age in 2016	Sex	Bred At:	Release/Fledge Year*	Comments
p8	741	2	F	Portland		
p9	709	3	F	LAZ	2015	
-6	296	13	F	WCBP	2004	Mate of 266; confirmed nest at Vermilion Cliffs
-3	293	12	M	WCBP	2004	Mate of 389
01	601	5	M	WCBP	2012	
03	203	17	M	WCBP	2001	
05	605	5	M	WCBP	2012	
07	707	3	?	WCBP	2014	
09	609	5	F	WCBP	2013	
1	610	5	F	E.Kaibab	2011	
2	722	3	F	Marble Canyon	2013	
4	754	2	?	Vermilion Cliffs	2014	
7	657	4	F	WCBP	2014	
9	409	10	F	SDWAP	2008	Mate of 337; confirmed nest in Utah
11	611	5	M	WCBP	2013	
16	316	13	F	WCBP	2004	
18	618	5	F	WCBP	2015	
19	619	5	M	WCBP	2012	
21	721	3	?	W BP	2014	
23	123	21	M	LAZ	1997	Mate of 297; confirmed nest Data Butte
26	126	21	F	SDWAP	1999	Mate of 193; confirmed nest at Vermilion Cliffs
28	528	7	F	Portland	2011	
30	530	7	M	LAZ	2011	
35	435	8	M	Portland	2010	
40	640	4	F	WCBP	2013	
41	241	15	F	WCBP	2002	Mate of 193; confirmed nest at Vermilion Cliffs

42	342	12	M	VC	2004	Mate of 282
43	243	15	M	WCBP	2002	
47	447	9	F			
53	653	4	F	WCBP	2013	
54	354	12	M	WCBP	2006	
55	455	9	F	Portland	2009	
61	561	6	M	WCBP	2012	
62	162	19	M	LAZ	1997	
63	763	2	M	WCBP		
66	266	14	M	SDWAP	2005	Mate of 296; confirmed nest at Vermilion Cliffs
68	368	11	F	WCBP	2007	
75	275	14	M	WBCP	2003	
77	677	3	F	SDWAP	2014	
79	379	11	M	Portland	2009	
80	280	14	F	WCBP	2003	Mate of 187; Confirmed nest on Battleship Formation, Grand Canyon
82	582	6	M	WCBP	2012	

37	337	12	M	WCBP	2006	Mate of 409; confirmed nest in Utah
83	383	11	F	WCBP	2008	Mate of 342
87	187	18	M	WCBP	1998	Mate of 280; Confirmed nest on Battleship Formation, Grand Canyon
88	388	11	M	WCBP	2009	
89	389	11	F	VC	2005	Mate of 293
93	193	18	M	WCBP	1998	Mate of 126 or 241; confirmed nest at Vermilion Cliffs
97	297	13	F	WCBP	2005	Mate of 123; confirmed nest at Dana Butte
98	698	3	?	WCBP	2014	
35	535	7	M	Portland		In flight pen awaiting release
none	613	5	F	Portland		In flight pen awaiting release
91	691	3	M	SDWAP		In flight pen awaiting release
61	761	2	F	LAZ		In flight pen awaiting release
p7	727	3	F	LAZ	2015	In flight pen awaiting release

SB# = Studbook number, sequential by hatch date. **Pb** = Lead ; **LAZ** = Los Angeles Zoo. **SDWAP** = San Diego Wild Animal Park (now San Diego Zoo Safari Park). **WCBP** = Peregrine Fund's World Center for Birds of Prey in Boise, Idaho. **Portland** = Oregon Zoo in Portland, OR. **VC** = Vermilion Cliffs. **Hurricane** = Hurricane Cliffs, a briefly-used 2nd release site north of the western part of Grand Canyon.

AZ/UT Wild-hatched Young Produced 2003-2016

(*Red* studbook #'s represent chicks that successfully fledged; **Bold Red** studbook #'s represent those chicks surviving at the time of this update;" ?" indicates unknown chick sex; *Purple* indicates breeder has died followed by year and cause of death).

Producing Pairs		2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Male	Female														
123	127 ('09, Lead)	305M		392M			472F								
114	149 ('06, Lead)		342M												
122 ('15, Shot)	119 ('06, Lead)		350M												
114	126			389F		459M		515?	558?		659?				
134 ('08, Missing)	210 ('13, Lead)					441M									
187	133 ('13, Unknown)						476M			633?	660?				
122 ('15, Shot)	210 ('13, Lead)							527?							
193	241									610F					
234 (Lead)	280									634F		719?			
287 ('15, Lead)	210 ('13, Lead)										674?				
158 ('14, Missing)	346 ('15, Unknown)											720?			
273 ('14, Missing)	302 ('14, Missing) & 354											722F			
122 ('15, Shot)	316											723F		808?	
266	296												754?		
293	389												766?		
337	409												765?	failed	
187	280													failed	

AZ/UT Wild Condor Lead Exposure

Number of condors in the wild, tested for lead exposure, showing evidence of exposure, extreme exposure, and those treated with chelation therapy (2007-2014). Because the season of greatest exposure occurs towards the end of each calendar year, the sampling seasons continue into the following calendar year and are therefore represented by values from the end of one calendar year and the beginning of the next.

Level of Exposure¹	2007-8	2008-9	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16
% Population Tested	97%	85%	85%	92%	95%	88%	89%	95%	87%
% Tested ³ = Recent Exposure Likely ² (>15µg/dl)	85%	74%	85%	72%	59%	73%	65%	80%	73%
% Tested = Extreme Exposure (>65µg/dl)	24%	26%	33%	28%	20%	41%	17%	26%	27%
% Tested = Treated for lead poisoning	42%	41%	56%	35%	25%	42%	20%	29%	29%

¹ The half-life for lead in blood is ~ 2 weeks. Blood-lead levels are but a snapshot in time relative to the continuum of an exposure event beginning when lead is ingested. Blood-lead scores represent varying levels of indicated exposure and possible treatment-response measures.

² Blood lead levels between 15-29 µg/dl require the condor to be monitored 30-64 µg/dl require the condor to be held/recapture, monitored and/or treated

³ Percentage of tested condors

Mortality Factors

<i>Mortality Factor</i>	<i>1996-2001</i>	<i>2002-2006</i>	<i>2007-2011</i>	<i>Jan2012- April 7, 2016</i>	<i>Total</i>	<i>% of Diagnosed Deaths¹</i>
Lead poisoning	3	9	9	11	32	51.6
Suspected lead poisoning	2	0	0	1	3	
Predation	7	1	4	4	16	25.8
Collision (powerline)	1	0	0	0	1	1.6
Collision (vehicle)	0	0	1	1	2	3.2
Shooting	1	2	0	1	4	6.5
Starvation	1	2	0	1	4	6.5
Septicemia (blood poisoning)	1	0	0	0	1	1.6
Impaction (coins)	0	0	2	0	2	3.2
Missing	2	4	11	13	30	
Unknown	0	2	4	14	20	
<i>Pending/TBD</i>				2	2	
Total	18	20	31	47	117	
Total Diagnosed	14	14	16	18	62	
Total Not Diagnosed	4	6	15	30	55	

¹ Percentage of all diagnosed deaths since release began in 1996 is provided in parentheses (i.e., excludes missing, unknown, suspected lead poisoning, and pending categories)

Literature Cited

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