

# California Condors in AZ/UT by Tag #

As of 4/26/13: 73 free-flying wild condors in AZ/UT

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

Tag#	SB#	Age in 2013	Sex	Release/Fledge Year*	Comments
<b>None</b>	<b>114</b>	18	M	1997	
A4	334	9	M	2006	
<b>A6</b>	<b>346</b>	9	F	2005	Mate with 158; est lay date early April in either Kanab Crk Wilderness or in Grand Canyon near Indian Hollow Pt.
A9	349	9	M	2005	
C4	393	8	F	2009	Missing since 5 Dec 2012; suspected to be dead based on transmitter signal
E3	423	7	M	2007	
<b>F1</b>	<b>441</b>	6	M	2007	
F3	453	6	F	2009	
H9	496	5	F	2011	
J1	521	4	F	2011	
J2	520	4	M	2010	
J3	523	4	M	2011	
J6	516	4	F	2011	
J4	541	4	F	2011	
J7	537	4	F	2010	
K6	586	3	M	2012	
L2	592	2	F	2012	
L3	593	2	F	2012	
<b>L4</b>	<b>634</b>	2	F	2011	
<b>-7</b>	<b>287</b>	11	M	2005	
<b>-6</b>	<b>296</b>	10	F	2004	Mate with 266. Based on behavior likely nesting; est lay date 18 Feb
-3	293	9	M	2004	

Tag#	SB#	Age in 2012	Sex	Release/Fledge Year*	Comments
<b>43</b>	<b>243</b>	12	M	2002	Part of "Kaibab trio"; 1 <sup>st</sup> egg predated by ravens, 2 <sup>nd</sup> egg confirmed on 4 April
54	354	9	M	2006	Part of 273/302/354 Trio; Est lay date 2 <sup>nd</sup> week in March in Marble Canyon
55	455	6	F	2009	
57	257	12	M	2002	
<b>58</b>	<b>158</b>	16	M	1997	Mate with 346; est lay date early April in either Kanab Crk Wilderness or in Grand Canyon near Indian Hollow Pt.
61	561	3	M	2012	
<b>62</b>	<b>162</b>	16	M	1997	
65	265	11	M	2007	
<b>66</b>	<b>266</b>	11	M	2005	Mate with 296. Based on behavior likely nesting; est lay date 18 Feb by Vermilion Cliffs
68	368	8	F	2007	
71	371	8	M	2006	Missing; last roost location in Utah on 2 Dec 2012
72	272	11	M	2003	
<b>73</b>	<b>273</b>	11	M	2003	Part of 273/302/354 Trio; Est lay date 2 <sup>nd</sup> week in March in Marble Canyon
74	274	11	M	2003	Missing; last roost location in Utah on 18 Nov 2012
75	275	11	M	2003	
79	379	8	M	2009	
<b>80</b>	<b>280</b>	11	F	2003	Mate with 234; lay date late Feb/early Mar on Battleship formation in Grand Canyon.
81	581	3	F	2012	Missing; last roost location at Release site 7 Feb 2012
82	582	3	M	2012	
83	383	8	F	2008	
86	486	5	M	2010	
<b>87</b>	<b>187</b>	15	M	1998	



## AZ/UT Wild-hatched Young Produced 2003-2012

(*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
Male	Female										
123	<b>127</b> ( <i>'09, Lead</i> )	305M		<b>392M</b>			472F				
114	<b>149</b> ( <i>'06, Lead</i> )		<b>342M</b>								
122	<b>119</b> ( <i>'06, Lead</i> )		<b>350M</b>								
114	126			<b>389F</b>		<b>459M</b>		<b>515?</b>	<b>558?</b>		659?
<b>134</b> ( <i>'08, Missing</i> )	<b>210</b> ( <i>'13,</i>					<b>441M</b>					
187	<b>133</b> ( <i>'13, TBD</i> )						476M			633?	660?
122	<b>210</b> ( <i>'13, TBD</i> )							527?			
193	241									<b>610F</b>	
234	280									<b>634F</b>	
287	<b>210</b> ( <i>'13,</i>										674?

## 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 (2007-2011). 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 Exposure <sup>1</sup>	2007-8	2008-9	2009-10	2010-11	2011-12	2012-13
In Wild	61	68	72	74	71	80
Tested	59	58	61	68	62	72
Recent Exposure Likely <sup>2</sup> (>15µg/dl)	50	46	52	49	39	54
Extreme Exposure (>65µg/dl)	14	15	20	19	11	27
Treated for lead poisoning (% <sup>3</sup> )	25 (42%)	24 (41%)	34 (56%)	24 (35%)	17 (27%)	28 (39%)

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> Percentage of tested condors treated for lead poisoning

## Mortality Factors

<i>Mortality Factor</i>	<i>1996-2001</i>	<i>2002-2006</i>	<i>2007-2011</i>	<i>Jan2012- Feb 8 2013<sup>1</sup></i>	<i>Total (%<sup>2</sup>)</i>
Lead poisoning	3	9	7	7	<b>26 (51)</b>
Suspected lead poisoning	2	0	0	0	<b>2</b>
Predation	7	1	4	3	<b>15 (29)</b>
Collision (power line)	1	0	0	0	<b>1 (2)</b>
Collision (vehicle)	0	0	1	0	<b>1 (2)</b>
Shooting	1	2	0	0	<b>3 (6)</b>
Starvation	1	1	0	0	<b>2 (6)</b>
Septicemia (blood poisoning)	1	0	0	0	<b>1 (2)</b>
Impaction (coins)	0	0	2	0	<b>2 (4)</b>
Missing	2	4	11	2	<b>19</b>
Unknown	0	2	4	3	<b>9</b>
<b>Total</b>	<b>18</b>	<b>20</b>	<b>31</b>	<b>15</b>	<b>84</b>

<sup>1</sup> Does not include condors 133, 210, or 393

<sup>2</sup> Percentage of all diagnosed deaths since release began in 1996 is provided in parentheses (i.e., excludes missing, unknown, and suspected lead poisoning categories)

### Literature Cited

Mace, M. and the Zoological Society of San Diego. 2013. California condor international studbook.

Southwest Condor Review Team. 2007. A review of the second five years of the California condor reintroduction program in the Southwest (2002-2006).

[http://www.fws.gov/southwest/es/arizona/Documents/SpeciesDocs/CA\\_Condor/2nd\\_5YR-07\\_Final.pdf](http://www.fws.gov/southwest/es/arizona/Documents/SpeciesDocs/CA_Condor/2nd_5YR-07_Final.pdf)

Southwest Condor Review Team. 2012. A review of the third five years of the California condor reintroduction program in the Southwest (2007-2011).

[http://www.fws.gov/southwest/es/arizona/Documents/SpeciesDocs/CA\\_Condor/THIRD%205YR%20Review%20Final%20.pdf](http://www.fws.gov/southwest/es/arizona/Documents/SpeciesDocs/CA_Condor/THIRD%205YR%20Review%20Final%20.pdf)

The Peregrine Fund. 2012. Condor Cliffs. <https://www.facebook.com/CondorCliffs>