

California Condor

Recovery Program

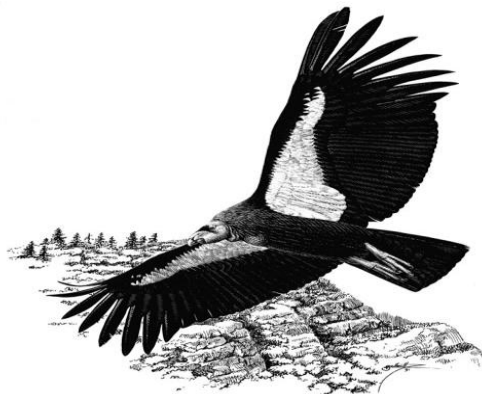
Gymnogyps californianus

Population Size and Distribution

February 28, 2011

Overview Page

Refer to the subsequent pages for details and trends



369

TOTAL POPULATION

WILD POPULATION

- California** (Managed by Hopper Mountain & Bitter Creek NWR, Ventana Wildlife Society, Pinnacles National Monument)
 - Chicks** - in wild nests (PNM=0, SoCal=0, CenCoast=0)
 - Wild-fledged** - (PNM=2, SoCal=10, CenCoast=7)
 - Released** - Free-flying birds **Southern California (NWR)**
 - Released** - Free-flying birds **Central Coast (Ventana Wildlife Society)**
 - Released** - Free-flying birds **Pinnacles National Monument (PNM)**
- Baja California, MX, Sierra San Pedro de Martir NP, Zoological Society of San Diego**
 - Chicks** - in wild nests
 - Wild-fledged**
 - Released** - Free-flying birds
- Arizona, Vermillion Cliffs, The Peregrine Fund**
 - Chicks** - in wild nests
 - Wild-fledged**
 - Released** - Free-flying birds

		192
	99	
0		
19		
33		
20		
27		
	20	
0		
0		
20		
	73	
0		
8		
65		

CAPTIVE POPULATION

- Los Angeles Zoo**
- San Diego Zoo Safari Park (SDZSP) NAME CHANGE**
- San Diego Zoo - 319, 471, 497, 500, 502**
- World Center for Birds of Prey, Boise, ID, The Peregrine Fund**
- Oregon Zoo, Portland, OR**
- Chapultepec Zoo, Mexico City - 86, 140**
- Santa Barbara Zoo - 327, 432, 433, 439, 440**
- Mentor birds in field pens -**
- Pre-release birds in field pens**
 - Arizona - 496, 516, 521, 523, 528, 530, 541
 - Baja - 498, 510, 529, 545
 - Pinnacles
 - SoCal - 63, 512
 - Ventana
- Temporarily in captivity**
 - Arizona
 - Phoenix - 122
 - Baja
 - Mexicali
 - LAZoo - 365
 - OZoo - 421, 517
 - Pinnacles - 411
 - SDZSP
 - SoCal - 507, 513, 518, 536, 542
 - Ventana -
 - WCBP

		177
	22	
	27	
	5	
	57	
	36	
	2	
	5	
	0	
	13	
7		
4		
0		
2		
0		
	10	
0		
1		
0		
0		
1		
2		
1		
0		
5		
0		
0		

Production, Deaths, Transfers & Releases

Wild Production, 2011- 2020 <i>(running totals)</i>	5 0 0 0 0 0 0 0 0 0										5
	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	totals
Wild-laid eggs, Arizona	0										32
Wild-laid eggs, Baja	0										6
Wild-laid eggs, SoCal	2										36
Wild-laid eggs, Pinnacles	2										5
Wild-laid eggs, Ventana	1										14
Wild-fledged birds, Arizona											12
Wild-fledged birds, Baja											1
Wild-fledged birds, SoCal											13
Wild-fledged birds, Pinnacles											2
Wild-fledged birds, Ventana											9
	0	0	0	0	0	0	0	0	0	0	37

Production: Eggs & Chicks - 2011

	totals	eggs						chicks	
		laid	fertile	fertile - died	infertile	unknown / dead	transferred: in	transferred: out	
		32	13	0	5	14	0	0	0
LAZoo	27	3	1		2				0
OZoo	C	9	5		2	2			C
SDZSP - 1st egg 16Jan	A	7	7						A
WCBP	P	8			8				P
Wild, Arizona	5							0	0
Wild, Baja	W							0	W
Wild, SoCal	I	2			2			0	I
Wild, Pinnacles	L	2			2			0	L
Wild, Ventana	D	1			1			0	D

Deaths - 2011

	1
LAZoo - 214 Pb 7Jan;	1 1
OZoo -	0
SDZSP -	0
WCBP -	0
Wild, Arizona -	0 0
Wild, Baja -	0
Wild, SoCal -	0
Wild, Pinnacles -	0
Wild, Ventana -	0

Production, Deaths, Transfers & Releases

Transfers (to) - 2011

22
7
2
1
10
2

LAZoo - 214 fr BC 4Jan; 457 frBC 6Jan Pb; 111,365 fr HM 8Jan Pb; 255 fr HM 12Jan Pb; 156 fr HM 21Jan Pb; 452 fr HM 3Feb Pb
Mexicali -
OZoo - 421 fr PNM 17Jan behavior; 517 fr LAZ 16Jan med
SDZSP -
WCBP -
SBZoo -
Phoenix Zoo - 122 fr AZ 19Jan Pb
Arizona -
Baja -
SoCal - 21,289,462,262 fr LAZ 4Jan; 255,457 fr LAZ 18Jan; 111 fr LAZ 21Jan; 156 fr LAZ 3Feb; 452 fr LAZ 10Feb; 231 fr LAZ 25Feb
Pinnacles -
Ventana - 298 to Avian&Exotic 24Jan pat.; 298 toPNM 25Jan;

REASON: Pb=lead; wild=release to wild; pat=patagial; HCB=hold for captive breeding; beak=beak; med=other medical; men=mentor; or self explanatory



Releases - 2011 (original release & RE-release)

29	
0	29
0	0
0	0
0	26
0	0
0	3

Arizona -
Baja -
SoCal - 21,262,289 RE-rel 4Jan; 180,360 RE-rel 5Jan; 462,480,482,487,493 RE-rel 6Jan; 112,370,449 RE-rel 8Jan; 255,457 RE-rel 18Jan; 216,328,369,467,483,526 RE-rel 19Jan 111 RE-rel 21Jan; 509 RE-rel 30Jan; 156 RE-rel 4Feb; 452 RE-rel 10Feb; 213 RE-rel 24Feb
Pinnacles - 351 RE-rel 14Sep10
Ventana - 477,501 RE-rel 25Jan; 298 RE-rel 8Feb

Wild Chicks and Fledglings

	no./yr.	stud bk #	hatch date	hatch loc.	laid loc.	sex	status	fledge date	release date	sire	dam	rearing	foster		NOTES
													f-sire	f-dam	
1	1	263	22-Jun-01	SoCal	wild	-	dead	cd	-	21	40	foster	100	111/108	died 25Jun01
2	1	271	11-Apr-02	SoCal	wild	-	dead	cd	-	100	108	parent	-	-	died 1Oct02
3	2	285	10-May-02	SoCal	wild	-	dead	cd	-	98	155	parent	-	-	died 13Oct02
4	3	288	28-May-02	SoCal	wild	-	dead	cd	-	107	112	parent	-	-	died 21Oct02
5	1	305	03-May-03	AZ	wild	-	dead	Oct-03	-	123	127	parent	-	-	died 26Mar05
6	2	308	10-May-03	SoCal	wild	-	dead	cd	-	125	111	parent	-	-	died 24Sep03
7	1	326	09-Apr-04	SoCal	wild	M	flying	2-Nov-04	-	107	161	parent	-	-	
8	2	328	11-Apr-04	SoCal	wild	M	flying	-	3-Oct-07	21	192	parent	-	-	LAZoo, micro trash & broken wing 18Aug04; fr LAZ 13Mar07 to BCFP; NOT WILD FLEDGED ; rel BC
9	3	333	22-Apr-04	SoCal	wild	-	dead	cd	-	125	111	parent	-	-	died 17Aug04
10	4	342	10-May-04	AZ	wild	M	flying	?	-	114	149	parent	-	-	
11	5	350	22-May-04	AZ	wild	M	flying	?	-	122	119	parent	-	-	
12	1	370	22-Apr-05	SoCal	wild	F	flying	-	24-Oct-07	7	31	foster	21	192	LAZoo, micro trash, 18Aug05; fr LAZ 13Mar07 to BCFP; NOT WILD FLEDGED ; rel BC
13	2	386	19-May-05	SoCal	wild	-	dead	cd	-	125	111	parent	-	-	died 25Aug05
14	3	389	28-May-05	AZ	wild	F	flying	?	-	114	126	parent	-	-	
15	4	392	05-Jun-05	AZ	wild	M	flying	?	-	123	127	parent	-	-	
16	1	396	25-Mar-06	SoCal	wild	-	dead	cd	-	107	161	parent	-	-	died 16Jun06
17	2	412	01-May-06	SoCal	LAZoo	M	flying	22-Oct-06	-	42	39	foster	237	214	FW406; PC06
18	1	428	26-Mar-07	SoCal	wild	F	flying	29-Aug-07	-	21	192	parent	-	-	WC13; "Wanderer"
19	2	429	8-Apr-07	Ven	LAZoo	-	dead	26-Sep-07	-	1	43	foster	168	208	missing 4Dec07
20	3	437	20-Apr-07	Baja	wild	-	dead	cd	-	261	217	parent	-	-	died 21May07
21	4	441	28-Apr-07	AZ	wild	M	flying	24-Oct-07	-	134	210	parent	-	-	
22	5	443	03-May-07	SoCal	wild	-	dead	Sep-07	-	107	161	parent	-	-	found 16Nov07; mort. signal 30Oct07
23	6	444	5-May-07	Ven	LAZoo	F	flying	22-Oct-07	-	33	68	foster	167	190	
24	7	449	12-May-07	SoCal	wild	F	flying	5-Dec-07	-	206	255	parent	-	-	WC17;
25	8	450	15-May-07	SoCal	WAP	-	dead	10-Nov-07	-	135	52	foster	111	125	died 12Dec08
26	9	459	06-Jun-07	AZ	wild	M	flying	Dec-07	-	114	126	parent	-	-	
27	1	462	28-Mar-08	SoCal	LAZoo	M	flying	4-Nov-08	-	33	68	foster	247	79	LA108; HB08
28	2	470	12-Apr-08	Ven	LAZoo	M	flying	Oct-08	-	1	43	foster	204	222	
29	3	472	16-Apr-08	AZ	wild	-	dead	16-Oct-08	-	123	127	parent	-	-	died 4Jan10
30	4	474	21-Apr-08	SoCal	WCBP	-	dead	18-Oct-08	-	99	88	foster	107	161	died 7Mar09
31	5	475	21-Apr-08	Ven	WCBP	-	dead	Oct-08	-	71	56	foster	194	171	died 20Dec08
32	6	476	21-Apr-08	AZ	wild	M	flying	25-Oct-08	-	187	133	parent	-	-	
33	7	477	22-Apr-08	Ven	wild	M	flying	Oct-08	-	199	231	parent	-	-	
34	8	482	30-Apr-08	SoCal	wild	M	flying	-	10-Nov-09	98	289	parent	-	-	LAZoo microtrash 22Sep08; fr LAZ 21Jul09 BCFP; NOT WILD FLEDGED ; rel BC
35	9	489	13-May-08	SoCal	wild	M	flying	1-Oct-08	-	237	214	parent	-	-	FW408; PC08
36	10	493	26-May-08	SoCal	wild	F	flying	22-Nov-08	-	125	111	parent	-	-	FW508; KR08

Wild Chicks and Fledglings

no./yr.	stud bk #	hatch date	hatch loc.	laid loc.	sex	status	fledge date	release date	sire	dam	rearing	foster		NOTES	
												f-sire	f-dam		
37	1	499	28-Mar-09	Ven	WCBP	F	flying	22-Sep-09	-	60	166	foster	167	190	090Sixu1
38	2	501	3-Apr-09	Ven	WCBP	F	flying	30-Sep-09	-	27	139	foster	194	171	09Taki1
39	3	503	4-Apr-09	Ven	LAZ	-	dead	cd	-	33	68	foster	168	208	LA209; died 7Jul09
40	4	509	12-Apr-09	SoCal	wild	M	flying	24-Sep-09	-	107	161	parent	-	-	FW109
41	5	514	18-Apr-09	PNM	LAZ	M	flying	17-Oct-09	-	120	95	foster	313	303	LA409
42	6	515	18-Apr-09	AZ	wild	-	dead	11-Nov-09	-	114	126	parent	-	-	AZ0109; mising 26Dec09
43	7	526	4-May-09	SoCal	wild	F	flying	15-Oct-09	-	21	192	parent	-	-	FW209
44	8	527	7-May-09	AZ	wild	-	dead	Oct-09	-	122	210	parent	-	-	AZ0209; missing 21Jul09
45	9	531	7-May-09	Baja	wild	-	dead	cd	-	269	284	parent	-	-	BA109; died 22Oct09
46	10	533	15-May-09	SoCal	wild	-	dead	cd	-	98	289	parent	-	-	FW409; died 17Jun09
47	11	538	23-May-09	Ven	wild	F	flying	Oct-09	-	209	236		-	-	BS409
48	12	539	24-May-09	SoCal	wild	-	dead	cd	-	206	255	parent	-	-	FW509; died 8Sep09
49	13	546	01-Jun-09	SoCal	wild	-	dead	cd	-	125	111	parent	-	-	FW609; died 9Jul09
50	1	550	24-Mar-10	PNM	WAP	-	captive	-	-	221	264	foster	318	317	WAP1003; female; to LAZ 12May10
51	2	555	7-Apr-10	Baja	wild	-	dead	cd	-	269	284		-	-	BA110; died 29May10
52	3	556	7-Apr-10	SoCal	wild	-	dead	cd	-	247	79		-	-	FW110; died 28Apr10
53	4	558	11-Apr-10	AZ	wild	?	flying	20-Oct-10	-	114	126		-	-	AZ110
54	5	560	12-Apr-10	SoCal	wild	F	flying	27-Oct-10	-	125	111		-	-	FW210: KO10
55	6	567	25-Apr-10	Ven	WCBP	M	flying	3-Nov-10	-	53	34	foster	194	171	10PIRU; McWay
56	7	574	8-May-10	PNM	wild	M	flying	Nov-10	-	219	310		-	-	10Piru1
57	8	587	27-May-10	SoCal	wild	-	dead	cd	-	206	255		-	-	FW310; died 13Jul10

"flying" = fledged & usually in wild but occasionally in temporary captivity

"cd" = died as chick

	loc.					
status	AZ	Baja	PNM	SoCal	Ven	Total
captive			1			1
dead	4	3		16	3	26
flying	8		2	13	7	30
Total	12	3	3	29	10	57

flying fledged*

*includes 3 flying wild hatched but not wild fledged in SoCal

Flying Females = 11

Flying Males = 18

hatched wild eggs = 43

hatched zoo eggs in wild = 14

total wild eggs 2001-2010 = 93

dead fledglings = 9

dead chicks = 17

Wild Population Statistics

Releases:

1988-92: SoCal – 15 Andean condors released, 1 died, 14 recaptured and released in South America

1992-93: SoCal – 13 California condors released: 6 died, 6 returned to permanent captivity. **2006:** No.79 RE-released back into wild on 29 November

ORIGINAL RELEASES - Captive Reared California Condors - - as of report date																				
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
1	83scCA		98sc	118scD	114az	176azD	168v	60azCA	206sc	218ba	217ba	265p	297az	334az	327azCA	367az	372azD	413az		1
2	87scD		99scCA	125sc	116azD	177azD	174scCA	70azCA	213sc	236v	220ba	266p	302az	337az	328sc	381az	378azCA	435az		2
3	88scCA		100scD	129scD	119azD	182az	175scD	74azD	214scD	237sc	261ba	269ba	314az	338baD	359baD	383az	379az	442az		3
4	89scD		101scD	130scD	122az	182azD	178scD	82azD	215scD	238scD	267scD	270p	315baD	344baD	361ba	384azD	380azCA	468ba		4
5	92scCA		102scD	131scD	123az	184azD	179vD	199v	216sc	239scCA	268scD	279baD	320ba	354az	362ba	395ba	391azD	469ba		5
6			103scD	132scD	124azD	186azD	180v	200vD	219v	240azD	272az	282azCA	321baCA	356vD	366az	403ba	393az	484az		6
7			105scD	133az	126az	187az	181scD	201scD	222v	241az	273az	284ba	322ba	357vCA	368az	404azD	421p	486az		7
8			106scD	135scCA	127azD	191azD	185scD	202scD	230vD	242v	274az	286pD	323baCA	358scD	370sc	406ba	422pD	495ba		8
9			107sc	136azD	128azD	193az	188scD	204v	231v	243az	275az	291azD	324azCA	360sc	373ba	407baD	426azD	507sc		9
10			108scCA	142azD	134vD		189vCA	208v	233vD	245scD	276azD	293az	325baD	363vD	374sc	409az	430ba	511scD		10
11			109scD	143scD	137vCA		190v	209v		246az	277scD	294v	329azD	364sc	390baD	414azD	436baD	513sc		11
12			111sc	149azD	145vCA		192v	210az		247sc	278pD	296az	330p	365sc	397scD	418p	446ba	518sc		12
13			112scCA	150azD	147vCA		194v	212vD		248azD	280az	298v	331az	369sc	400p	420az	447az	520az		13
14			113scD	151azD	152scD		195azD	223az		249azD	281azD	299az	332p	371az	401p	431p	453az	525p		14
15					153scD		196azD	224azD		250azCA	287p	300azD	335p	375v	402scD	438p	454azD	532scD		15
16					155scCA		197azD	227azD		251vCA	289sc	301vD	336pD	376vD	405p	448p	455az	534p		16
17					156scCA		198azD	228azD		252azD		303vD	340p	377vD	408scD	451p	460p	536sc		17
18					158az		203az	232azD		253az		304azD	343az	387az	411p	452sc	463p	537az		18
19					161v		207azD	234az		254vD		306p	345p		417pD	457sc	467sc	542sc		19
20					162az		211azD	235azD		255sc		307pD	346az		423az	458scD	478p	543p		20
21					164vD					256vD		310p	347azD				480sc	547p		21
22					165azD					257az		311v	349az				481p			22
23					167v					258azD		312p	351p				482sc			23
24					169azD					259baD		313p	352az				483sc			24
25					170vD					260vD		316az					485azD			25
26					171v					262sc		317p					487sc			26
27												318v								27
28												353azD								28
																				325
SoCal	5	-	14	8	4	-	6	2	5	7	4	-	-	5	6	3	5	7	0	89
Pinnacles											2	10	7	-	5	5	6	4	0	39
Ventana					9	-	7	6	5	6	-	6	-	6	-	-	-	-	0	45
Baja										2	3	3	6	2	5	4	3	3	0	31
Arizona				6	13	9	7	12	-	11	7	9	11	5	4	8	12	7	0	121
TOTAL	5	0	14	14	26	9	20	20	10	26	16	28	24	18	20	20	26	21	0	325
wild	-	-	3	2	9	3	6	7	7	12	10	18	16	10	14	17	19	19	0	173
captive	3	-	3	1	5	-	2	2	-	3	-	1	3	1	1	-	2	-	0	30
died	2	-	8	11	12	6	12	11	3	11	6	9	5	7	5	3	5	2	0	122

sc=SoCal, az=Arizona, b= Baja, v=Ventana, p=Pinnacles

D=died

CA=Captive

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Wild Population Statistics

Releases:

1988-92: SoCal – 15 Andean condors released, 1 died, 14 recaptured and released in South America

1992-93: SoCal – 13 California condors released: 6 died, 6 returned to permanent captivity. **2006:** No.79 RE-released back into wild on 29 November

ORIGINAL RELEASES - Captive Reared California Condors - - as of report date																				
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
DEATHS - Captive Reared Released California Condors - - as of report date																				
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
1	75sc	87sc	-	109sc	103sc	143sc	113sc	74az	132sc	100sc	170v	176az	164v	119az	136az	134v ¹	127az	195az	214sc	1
2	78sc	89sc		118sc	128az	152sc	124az	82az	201sc	186az	179v	279ba	235az	149az	227az	238sc	286p ²	359ba		2
3	81sc				129sc	153sc	130sc	101sc	215sc	212v	198az	300az	249az	196az	232az	276az	303v ²	397sc		3
4					131sc	169az	175sc	102sc	228az	233v	200v ³		291az	224az	245sc	278p	329az	408sc		4
5					142az	177az	178sc	105sc	230v	240az	202sc			248az	259ba	281az	358sc	414az		5
6					151az		185sc	106sc		252az	254v		347az	277sc	301v	336p	372az	436ba		6
7							188sc	116az		258az	256v			304az	307p	344ba	391az	454az		7
8								150az			260v			315ba	325ba	377v	404az	458sc		8
9								165az			267sc			338ba	356v	384az	422p	485az		9
10								181sc			268sc			353az	390ba	402sc	426az	511sc		10
11								182az						363v	417p	407ba		532sc		11
12								184az						376v						12
13								191az												13
14								197az												14
15								207az												15
16								211az												16
SoCal	3	2	0	2	3	3	6	5	3	1	3	0	0	1	1	2	1	5	1	43
Pinnacles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	6
Ventana	0	0	0	0	0	0	0	0	1	2	6	0	1	2	2	1	2	0	0	17
Baja	0	0	0	0	0	0	0	0	0	0	0	1	0	2	3	2	0	2	0	10
Arizona	0	0	0	0	3	2	1	11	1	4	1	2	4	7	3	3	6	4	0	53
TOTAL	3	2	0	2	6	5	7	16	5	7	10	3	5	12	11	10	11	11	1	129

sc=SoCal, az=Arizona, ba= Baja, v=Ventana, p=Pinnacles

¹=died in AZ

²=died at LAZoo

³=died at SDWAP

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Wild Population Trend - including fledglings & chicks (Running Total: 2007 forward as of report date, previous years as of Dec 31)																				
	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	
California	9	0	6	17	16	23	29	30	32	36	41	44	54	-	-	-	-	-	-	
SoCal (rel'd)														24	31	32	34	22	33	
VWS (rel'd)														29	24	22	20	20	20	
PNM (rel'd)														13	16	20	25	27	27	
chicks									(1)	(3)	(2)	(5)	(4)	(2)	(9)	(10)	(13)	(6)	0	
Wild-fledged												1	1	2	6	11	16	16	19	
CA Total	9	0	6	17	16	23	29	30	32	39	41	45	55	68	77	85	95	85	99	
Baja (rel'd)											5	5	9	11	8	15	18	22	20	
chicks															(1)	(0)	(1)	(1)	0	
Wild-fledged																	0	0	0	
Baja Total											5	5	9	11	8	15	18	22	20	
Arizona (rel'd)					13	15	20	20	26	32	36	43	51	47	53	59	65	66	65	
chicks											(1)	(2)	(2)	(0)	(2)	(2)	(2)	(1)	0	
Wild-fledged											1	3	4	4	6	8	10	8	8	
AZ Total					13	15	20	20	26	32	37	46	55	51	59	67	75	74	73	
TOTAL	9	0	6	17	29	38	49	50	58	71	83	96	119	130	144	167	188	181	192	

(n) = total chicks hatched in wild that year

rel'd = captive reared released

Explanatory Notes

Numbers reported in the monthly status report should be treated as tentative data. These are based on the best information available each month from cooperators in the field and facilities. If a reporting error is discovered after posting online, no correction will be disseminated, unless the error is substantive. Occasionally, a missing bird will continue to be reported live each month until field personnel are satisfied that there is little likelihood it is still alive. For such individuals, the date last detected normally is presumed to be the date of death. Questions about these summaries should be directed to : jesse_grantham@fws.gov.

SB# - Condor Studbook number.

"CAPTIVE POPULATION" includes:

- birds captured from the wild prior to 1988 that are still in a captive facility (e.g., zoo)
- previously released birds returned to captivity permanently or for care and possible RE-release
- captive-hatched birds retained for captive breeding
- young birds held in breeding facilities in preparation for transfer to a field pen for release
- "mentor birds" from a captive facility transferred temporarily into a field pen to aid socialization of pre-release birds
- birds transferred from a captive facility to a field pen in preparation for initial release or RE-release
- LAZ is Los Angeles Zoo; SDZSP (San Diego Zoo Safari Park) is Zoological Society of San Diego; WCBP is World Center for Birds of Prey, The Peregrine Fund; OZ is Oregon Zoo; MZ is Mexico Zoo; V(VWS) is Ventanna; P(PNM) is Pinnacles; SBZ is Santa Barbara Zoo.

"Released" (rel'd) refers to birds raised in captivity and introduced to the wild at a second location; and to birds captured prior to 1988 that were returned to the wild after 1995.

"RE-released" refers to previously released birds that were re-captured temporarily and held in field pens, or that were re-captured for long-time care or observation in breeding facilities, and that were later returned to the wild population.

"WILD POPULATION" includes:

- free-flying birds recently accounted for
- free-flying birds, assumed to be alive, although not recently accounted for
- nestlings in wild nests

"California" refers to combined birds of SoCal, Ventana, & Pinnacles National Monument.

"So. Calif." "SoCal" "sc" refers to birds originally released at sites from San Luis Obispo County to Ventura County by the U.S. Fish and Wildlife Service Hopper Mountain National Wildlife Refuge Complex. Birds released in the two California release areas now freely intermingle.

"Central Calif." refers to birds originally released at sites north of San Luis Obispo County by the Ventana Wildlife Society & Pinnacles National Monument. Birds released in the two California release areas now freely intermingle.

"Baja Calif." refers to birds originally released in Baja California, Mexico, by the Zoological Society of San Diego, the Centro de Investigación Científica y de Educación Superior de Ensenada, and the Instituto Nacional de Ecología.

"Arizona" refers to birds released by The Peregrine Fund in Arizona and that range in Arizona and other states east of California.

Mortalities requiring law enforcement investigation often will not be publicly reported immediately.