Population Monitoring of Elephants Seals at Año Nuevo, 2005

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Population: Estimates of breeding elephant seal female and pup populations, Año Nuevo rookery, 2005. Number of pups born estimated as 0.975 x female number.

Area	Breeding females	Pups born	Pups weaned
Main point	1570	1530	1535
North point	444	432	383
Island	654	638	484
Total	2667	2601	2401

Weighing: Mean body mass in kg for elephant seals, Año Nuevo rookery, 2005. Sample size in parentheses. No correction for time since weaning date.

Age		F	M
2	NA (0)	154.0 (1)	NA (0)
ad	NA (0)	374.3 (3)	NA (0)
W	110.5 (143)	111.8 (6)	116.0 (3)
Y	NA (0)	117.0(1)	NA (0)

Female age distribution: Age and origin of breeding females whose tags were read, Año Nuevo rookery, 2005. The row *known* for Año Nuevo is the sum of the previous rows of known age. The following row is the number of observed females that had been tagged at Año Nuevo as adults, so age is not known. Age of most foreign-tagged females is not available to us.

Origin	Age	Main Point	North Point	Island	Total
Año Nuevo	3	0	1	0	1
	4	7	2	0	9
	5	12	10	0	22
	6	5	5	0	10
	7	15	2	0	17
	8	5	2	0	7
	9	11	4	0	15
	10	11	5	0	16
	11	5	1	1	7
	12	1	1	0	2
	13	2	1	0	2 3 3 2
	14	3	0	0	3
	15	1	1	0	2
	16	6	1	0	7
	17	0	1	0	1
	18	1	0	0	1
	19	1	0	0	1
	20	1	0	0	1
	21	1	0	0	1
Año Nuevo	known	88	37	1	126
	unknown	55	31	0	86
San Miguel		20	3	2	25
Point Reyes		6	0	3	9
Gorda		4	1	1	6
Piedras Blancas		18	7	4	29
San Nicolas		3	0	1	4
MM Center		0	0	0	0

Newly tagged animals: Animals tagged for the first time in 2005 at the Año Nuevo colony. Number of animals tagged by age category and sex; YOY=pup/weaner (young-of-the-year) and Y=yearling. A total of 1036 green tags plus 0 PIT tags were deployed on these animals. An additional 20 tags were voided, and 2 were observed on YOY but do not appear in the database.

age cat	female	male	sex unknown
YOY	358	208	52
Y	9	3	0
juv	3	1	0
SA	0	0	0
ad	28	0	0
Total	398	212	52

Newly tagged animals: Animals tagged for the first time in 2005 at the Año Nuevo colony. Number of animals singly- and doubly-tagged, adults/juveniles. The category 2+ includes a small number with 3 tags (14 were given 3 or more green tags; 0 were given 3 or more PIT tags).

	Gree	en tags
PIT tags	1	2+
0	24	19
2+	0	1

Newly tagged animals: Animals tagged for the first time in 2005 at the Año Nuevo colony.

Number of animals singly- and doubly-tagged, pups/weaners (YOY).

The category 2+ includes a small number with 3 tags (14 were given 3 or more green tags; 0 were given 3 or more PIT tags).

	Green tags		
PIT tags	0	1	2+
0	2	254	350
2+	0	0	12

Re-tagged animals: Animals tagged in prior years (at any colony) then given a new tag in 2005 at the Año Nuevo colony. Number of animals tagged by age category and sex; YOY=pup/weaner (young-of-the-year) and Y=yearling. A total of 40 green tags plus 0 PIT tags were deployed on these animals.

age cat	female	male	sex unknown
YOY	0	0	0
Y	1	0	0
juv SA	0	0	0
SA	0	0	0
ad	0	0	0
Total	1	0	0

Re-tagged animals: Animals tagged in prior years (at any colony) then given a new tag in 2005 at the Año Nuevo colony. Number of animals singly- and doubly-tagged, adults/juveniles. The category 2+ includes a small number with 3 tags (19 were given 3 or more green tags; 0 were given 3 or more PIT tags).

	Green tags
PIT tags	1
0	1

Sighting Effort : Number of individual sightings and individual animals identified each year since 1996

	Breeding		Non-bro	eeding
Year	Sightings	Animals	Sightings	Animals
1996	12468	385	44	14
1997	3139	294	401	163
1998	1632	173	1288	345
1999	751	107	11	0
2000	1667	149	48	0
2001	2764	204	53	13
2002	2509	194	100	12
2003	3094	186	22	1
2004	3779	201	144	32
2005	4926	261	1782	227