

Mexican Wolf Population Statistics

Minimum population estimate, minimum breeding pair estimate,
and population estimate numbers per state 1998 - 2023

Data current as of December 31, 2023

Year	Minimum Population Estimate	Arizona Population Estimate	New Mexico Population Estimate	Breeding Pair Estimate
1998	4	4	0	0
1999	15	9	6	3
2000	22	15	7	1
2001	26	21	4	1
2002	41	34	7	5
2003	55	42	13	3
2004	44-48	26	18	6
2005	35-49	24	18	5
2006	59	25	34	6
2007	52	29	23	3
2008	52	29	23	2
2009	42	27	15	2
2010	50	29	21	2
2011	67	32	35	7
2012	80	37	43	3
2013	88	40	48	5
2014	112	58	54	9
2015	98	50	48	7
2016	114	64	50	13
2017	117	63	54	12
2018	131	64	67	15
2019	163	76	87	19
2020	186	72	114	20
2021	196	84	112	25
2022	242	105	137	31
2023	257	113	144	26

Notes: From 1998 through 2014, a Breeding Pair (per the 1998 final 10j rule) is defined as an adult male and an adult female that have produced at least two pups during the previous breeding season that survived until December 31 of the year of their birth. From 2015 through 2022, a Breeding Pair (per the 2015 final 10j rule) is defined as a pack that consists of an adult male and female and at least one pup of the year surviving through December 31. In some years (prior to 2015), at least one operational breeding pair was documented in the Blue Range Wolf Population. **The operational breeding pair is not represented in the Breeding Pair Estimate listed above.** An operational breeding pair is defined as an adult male and an adult female that have produced at least two pups during the previous breeding season and which survived until December 31 of the year of their birth, despite the loss and replacement of at least one biological parent of the offspring. This is a modification of the “Breeding pair” definition per the 1998 final 10j rule, to include pairs where

alphas (one or both breeding adults in a pack) have been replaced but are functioning as a biological unit with a high probability of breeding success in the subsequent year (USFWS 2008).

For additional information about operational breeding pairs and years with ranges of numbers (2004-2005), see the annual reports.

Mexican Wolf Population Statistics

Mexican wolf reproduction and recruitment 1998 - 2023.

Data Current as of December 31, 2023

Year	Population Estimate	Reproduction	Pup Recruitment
1998	4	1	0
1999	15	18	11
2000	22	7	5
2001	26	5	3
2002	41	21	20
2003	55	22	21
2004	44-48	22	17-19
2005	35-49	28-32	10-17
2006	59	31-32	21
2007	52	27	9
2008	52	18	11
2009	42	31	7
2010	50	18	14
2011	67	40	27
2012	80	29	23
2013	88	30	19
2014	112	46	40
2015	98	42	23
2016	114	65	50
2017	117	54	29
2018	131	81	47
2019	163	90	52
2020	186	124	64
2021	196	144	56
2022	242	121	81
2023	257	141	86

Notes: Reproduction is defined as the maximum number of pups documented throughout the year

Pup Recruitment is defined as the number of pups documented surviving at years' end.

For additional information about years with ranges of numbers (2004, 2005, 2006), see the annual reports.