

**Furbearer Population Assessment and Harvest Management Matrix
New Mexico Department of Game and Fish (VALUES IN MATRIX SUBJECT TO FURTHER VERIFICATION)**

Species	Est. Habitat^a (km²)	Density Estimate^b (km²)	Population Estimate^c	Harvest Management Objectives	Estimated Sustainable Harvest^d Limit^e	Avg. Est. Harvest (2000-2004^f)	Harvest Season
Badger	285,008	0.08-0.1	22,801-28,501	Manage at a sustained level of no more than 10% of the estimated badger population statewide available for sport harvest through 2010	2,280-2,850	659	Nov. 1- Mar. 15
Bobcat	181,343	0.2-0.3	36,269-54,403	Manage at a sustained level of no more than 10% of the estimated bobcat population statewide available for sport harvest through 2010	3,627-5,440	3,224	Nov. 1- Mar. 15
Ermine	18,707	4.0-6.0	74,828-112,242	Manage at a sustained level of no more than 13% of the estimated ermine population statewide available for sport harvest through 2010	9,727-14,591	246	Nov. 1- Mar. 15
Gray Fox	279,342	0.1-0.3	27,934-83,803	Manage at a sustained level of no more than 20% of the estimated gray fox population statewide available for sport harvest through 2010	5,587-16,761	6,054	Nov. 1- Mar. 15
Kit Fox	103,578	0.12-0.2	12,429-20,715	Manage at a sustained level of no more than 20% of the estimated kit fox population statewide available for sport harvest through 2010	2,450-4,143	292	Nov. 1- Mar. 15
Swift Fox	92,553	0.12-0.2	11,106-18,510	Manage at a sustained level of no more than 20% of the estimated swift fox population statewide available for sport harvest through 2010	2,221-3,702	249	Nov. 1- Mar. 15
Long-tailed Weasel	216,901	0.3-0.5	65,070-108,450	Manage at a sustained level of no more than 13% of the estimated long-tailed weasel population statewide available for sport harvest through 2010	8,459-14,098	246	Nov. 1- Mar. 15

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Raccoon	118,000	0.5-1.0	59,000-118,000	Manage at a sustained level of no more than 16.5% of the estimated raccoon population statewide available for sport harvest through 2010	9,735-19,470	1,703	Apr. 1-May 15 and Nov. 1-Mar. 31
Red Fox	209,302	0.02-0.08	4,186-16,744	Manage at a sustained level of no more than 20% of the estimated red fox population statewide available for sport harvest through 2010	837-3,349	286	Nov. 1-Mar. 15
Ringtail	92,191	0.1-0.5	9,219-46,095	Manage at a sustained level of no more than 12% of the estimated ringtail population statewide available for sport harvest through 2010	2,212-3,318	384	Nov. 1-Mar. 15
Beaver	11,676	0.45-1.0	5,254-11,676	Manage at a sustained level of no more than 12% of the estimated beaver population statewide available for sport harvest through 2010	630-1,401	889	Apr. 1-Apr. 30 and Nov. 1-Mar. 31
Muskrat	7,954			Manage at a sustained level of no more than 30% of the estimated muskrat population statewide available for sport harvest through 2010		2861	Apr. 1-Apr. 30 and Oct. 15-Mar. 31
Nutria				No restrictions on sport harvest of nutria during regular seasons on through 2010	No limit		Apr. 1-Apr. 30 and Nov. 1-Mar. 31

^a Derived from Southwest Regional Gap Analysis Project (SWReGAP).

^b Density estimates are derived from Ecologically Based Management Evaluation for Sustainable Harvest and Use of New Mexico Furbearer Resources (B. C. Thompson et al. 1992) and Wild Furbearer Management and Conservation in North America (M. Novak et al. eds., 1987), and are conservative to take into account New Mexico's arid nature, localized and non-contiguous habitat types.

^c Derived from density estimates and total available habitat.

^d Sustained mortality rate (all factors) by species is: Badger, 25%; Bobcat, 25%; Ermine, 33%; Gray Fox, 50%; Kit Fox, 50%; Swift Fox, 50%; Long-tailed Weasel, 33%; Raccoon, 41%; Red Fox, 50%; Ringtail, 30%; Beaver, 30%; and Muskrat, 75%.

^e Sustainable harvest limit = the estimated population range upper and lower bounds X the harvest management objective by species.

^f Derived from estimated harvest rate based on extrapolation from harvest returns.