

10/24/16

Cougar Population and Harvest Management Matrix (2016-17 through 2019-20).

Zone	Game Management Units	Estimated Cougar Habitat (km ²) ^a	Cougar Population Point Estimate ^b	Cougar Population Management Objectives 2016-2020 ^c	2016-20 Total Mortality Limit ^d	2016-20 Female Sub-Limit	
A	2, 7	13,728	207-285	Manage for stable cougar populations	42	13	
B	5, 50, 51	6,526	142-192		28	8	
C	43,45,46, 48, 49, 53	11,482	289-387		85	43	
E	9, 10	13,674	251-341		50	15	
I	36-38	7,138	121-165		24	7	
J	15, 16, 21, 25	22,714	445-603		89	27	
M	31-33, 39, 40	21,394	146-215		31	9	
N	4, 52	2,801	76-102		15	5	
O	12	6,663	103-141		21	6	
Q	28, 29, 30, 34	11,752	170-235		35	11	
R	54, 55	4,557	131-175		26	8	
D	41, 42, 47, 59	6,468	76-106		Manage for decreasing cougar populations	23	12
F	6	6,659	156-209			46	23
G	13, 17	14,422	247-338	73		37	
H	18-20	11,878	140-197	42		21	
K	22-24	11,299	225-305	66		33	
L	26, 27	6,456	64-91	19		10	
P	56-58	2,700	49-66	14		7	
S	8, 14	4,661	85-116	25		13	
Totals:		186,972	3,123-4,269		749	303	

^aThe quantity of the habitat was derived from a model designed by G&F and T. Perry, PhD. The habitat is classed as Excellent, Good, Moderate, and Fair; Excellent has a density of 3.0-4.0/100km², Good has a density of 1.2-1.7/100km², Moderate has a density of 0.6-0.9/100km² and Fair has a density of 0.4-0.5/100km² adult cougars. Densities derived from studies conducted in New Mexico. 64% of the state is considered cougar habitat, 5% is tribal jurisdiction.

^bThe point estimate total cougar population is used, management objectives and removal/harvest level calculations and may not reflect the true value for the population.

^c Stable = harvest ≤ 17% of total estimated population w/max of 30% female; Stable to decrease = harvest ≤ 25% of total estimated population with ≤ 50% females.

^d 90% of Total mortality limit and/or female sub-limit will close harvest in any zone, whichever occurs first.