

UTAH COUGAR ANNUAL REPORT 2008



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Annual Performance Report for Federal Aid Project W-65-M, segments 56 and 57

State of Utah
Department of Natural Resources
DIVISION OF WILDLIFE RESOURCES

An Equal Opportunity Employer

James F. Karpowitz
Director

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INTRODUCTION

The cougar harvest report presents cougar harvest and hunter effort trends across the state of Utah, based on data collected from cougar hunters. This report represents the cougar portion of Federal Aid Project W-65-M, segments 56 and 57, grant agreement periods October 1, 2007 through September 30, 2008 and October 1, 2008 through September 30, 2009, respectively. This Federal Aid project covers cougar hunting season 2007-2008.

For purposes of effective management, the state of Utah is divided into 30 wildlife management units, which are the same for all hunted species. Some of these units were divided further into sub-units for cougar hunting in order to direct hunter pressure, resulting in a total of 48 units and sub-units in 2007-2008. Thirty-one of these units were managed through a limited entry permit system, where a hunter had to apply for and draw from a pool of limited permits. The hunter was allowed to hunt the entire limited entry season, or until the permit was filled. Seventeen units were managed through a harvest objective system, where a harvest quota was set and an unlimited number of hunters could hunt. The unit remained open until the harvest quota was reached or the season closed. After the close of the limited entry season, 15 of the limited entry units reopened as harvest objective units (called split units), and the harvest quota was set as the number of permits that remained unfilled at the close of the limited entry season. Limited entry permits on split units became valid statewide harvest objective permits if hunters did not fill their tags during the limited entry season.

Applicants who drew a limited entry permit for the 2007-2008 cougar seasons were required to wait three years before applying for another permit. The waiting period did not apply to harvest objective permit holders. The season limit was one cougar, and females with kittens, or kittens with spots, were not legal to harvest.

Season Dates

For the 2007-2008 year, the limited entry hunting season in units 1a, 1b, 4, 5, 6/7, 16a, 16b1, 16c1, 16b2, 16c2, 17a3, 17b, 18, 19b, 23 and 27, opened November 21, 2007 and closed June 1, 2008. The limited entry hunting season in split units 2, 3, 10a, 16a1, 19a, 20, 21a, 21b, 22, 24, 25a, 25b, 25c, 28, and 30, opened November 21, 2007 and closed February 10, 2008, at which time these units became harvest objective units from February 16, 2008 through June 1, 2008. The harvest objective season in units 1c, 5a, 8ab, 8c, 9a, 9bcd, 10b, 11, 12, 13, 14, 15, 17a1, 17a2, 17c, 26, and 29, opened November 21, 2007 and closed November 16, 2008.

METHODS

All successful hunters were required to have their cougar checked by a Division of Wildlife Resources office or officer within 48 hours of harvest. At that time, tooth and hair samples were collected, and a permanent tag affixed. Cougar harvest information was also collected at that time. Teeth were sectioned and cementum annuli counted by Matson's Lab in Milltown, Montana, to estimate age of harvested cougar. Survival rates were estimated using the Chapman-Robson estimator.

In past years, a cougar harvest mail questionnaire was sent each spring to all cougar permit holders. This questionnaire was used to obtain hunter effort information from those who did not harvest a cougar. Beginning with the 2001-2002 cougar season, this questionnaire was discontinued. Since then, total hunters afield was estimated at 93% of total license sales (previous five-year's average hunters afield). All hunter effort information (hunter-days afield, hunter-days per hunter, and hunter-days per cougar) for the past four years was collected when harvested cougars were checked and tagged by the Division, and a projection factor was calculated by dividing total hunters afield by the total hunters who checked in a cougar. This projection factor was used to determine hunter-days afield for all hunters, assuming that the average amount of time spent afield by successful hunters was similar to the time spent afield by non-successful hunters. Cougar pursuit information was obtained using a random telephone survey of a sub-sample of cougar pursuit permit holders.

Harvest data from depredating cougar was taken from damage reports received from USDA-APHIS Wildlife Services. Livestock operators could kill damaging cougar and were required to have the carcass checked by a Division officer within 48 hours. Harvest information was collected at that time.

RESULTS

For the 2007-2008 cougar season, 337 limited entry permits and 825 harvest objective permits were sold. Total limited entry permits included 318 limited entry permits, 19 regional or statewide conservation permits, and 7 unit convention permits. A total of 282 cougars were harvested during the 2007-2008 sport season. Success rate for limited entry cougar hunters was 52.5%, while the percent of harvest objective quota that was filled was 56.8%. Also, 15 conservation permit holders harvested cougars this year. Five of the cougar units filled 100% of their limited entry permits or met their harvest objective quota and closed early.

Cougar permits sold since the implementation of limited entry hunts, Utah 1990–2008.

Year	Limited entry permits				Harvest objective permits			Total permits
	Resident	Nonresident	Cons/Conv	Total	Resident	Nonresident	Total	
1990	385	142		527				527
1991	383	142		525				525
1992	383	142		525				525
1993	431	160		591				591
1994	479	180		659				659
1995	559	232		791				791
1996	611	261		872				872
1997	425	170		595			901	1496
1998	381	128		509	472	199	671	1180
1999	337	109		446	386	189	575	1021
2000	259	84		343	374	170	544	887
2001	206	66		272	880	290	1170	1442
2002	228	30	8	266	897	300	1197	1463
2003	326	36	12	374	685	266	951	1325
2004	215	29	20	264	533	209	742	1006
2005	233	30	10	273	841	290	1131	1404
2006	356	38	12	406	464	222	686	1092
2007	313	35	18	366	600	245	845	1211
2008	278	33	26	337	587	238	825	1162
Total	6788	2047	106	8941	6719	2618	10238	19179
Mean	357	108	51	471	611	238	853	1009

*Combination of limited entry and harvest objective hunting initiated in 1997.

Statewide cougar harvest and mortality statistics, Utah 1990–2008.

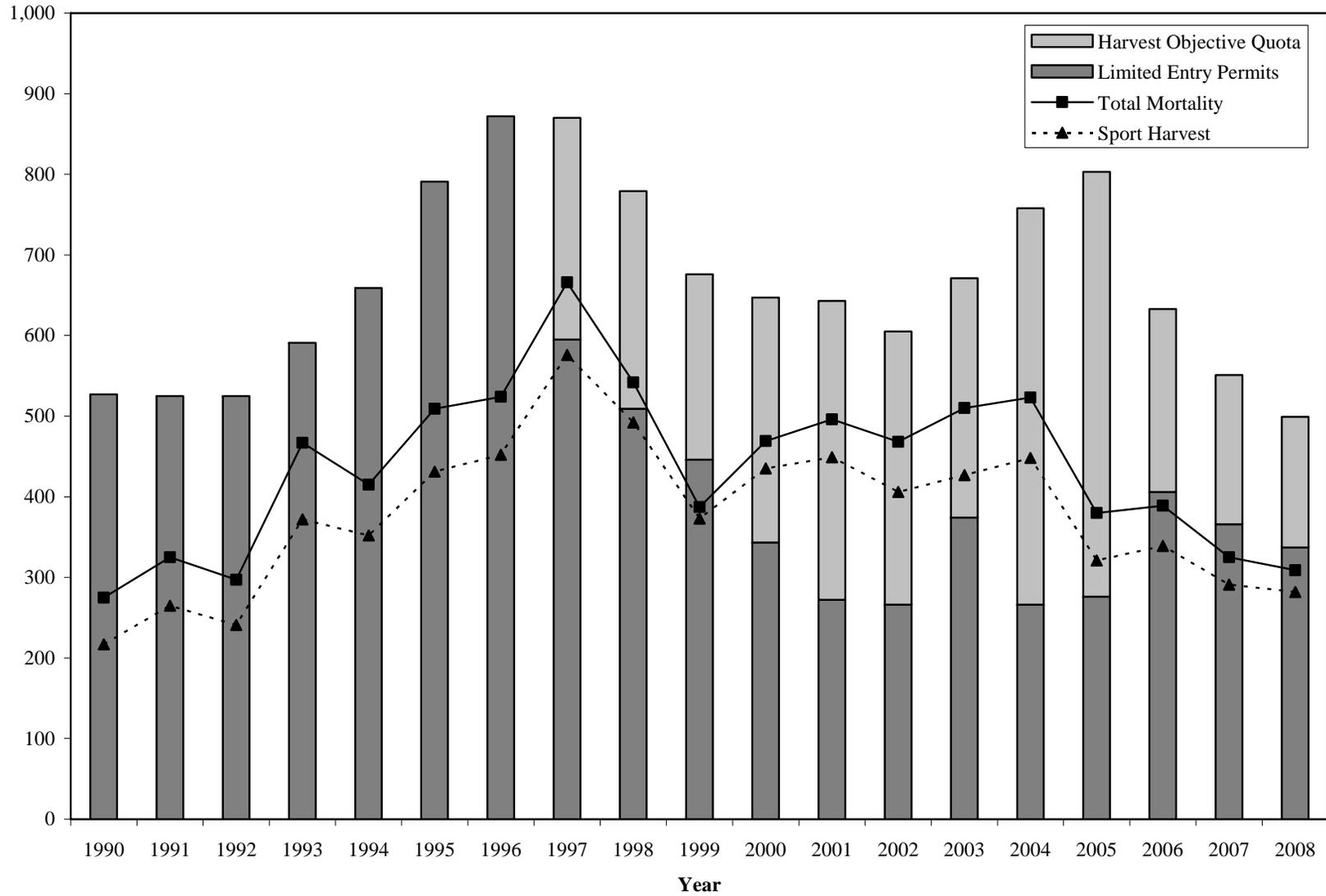
Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females	Adult survival
1990	527		146	71	217		41.2%		32.7%		0.41	48	10	275				
1991	525		184	81	265		50.5%		30.6%		0.49	38	22	325				
1992	525		160	81	241		45.9%		33.6%		0.45	34	22	297				
1993	591		260	112	372		62.9%		30.1%		0.49	53	42	467				
1994	659		216	136	352		53.4%		38.6%		0.57	53	10	415				
1995	791		262	169	431		54.5%		39.2%			54	24	509				
1996	872		269	183	452	3.5	51.8%		40.5%	16.7%	0.48	33	39	524				67%
1997	595	275	297	279	576	3.8	56.0%	88.3%	48.4%	20.0%	0.33	40	50	666				67%
1998	509	270	261	231	492	3.2	54.4%	79.6%	47.0%	14.5%	0.36	27	23	542				63%
1999	446	230	206	167	373	3.1	49.0%	64.0%	44.8%	10.1%	0.30	13	1	387				62%
2000	343	304	258	177	435	2.9	60.0%	81.0%	40.7%	9.7%	0.28	25	9	469				60%
2001	272	371	242	207	449	3.3	52.0%	35.4%	46.1%	12.8%	0.30	27	20	496				63%
2002	266	339	222	184	406	3.1	57.9%	74.3%	45.3%	11.5%	0.21	45	17	468	24	29	45.5%	61%
2003	374	297	251	175	427	3.6	58.3%	77.1%	41.0%	13.3%	0.29	53	30	510	31	49	43.9%	63%
2004	266	492	219	229	448	3.4	55.2%	66.3%	51.1%	13.8%	0.23	47	28	523	29	38	51.1%	61%
2005	276	527	190	131	321	2.5	45.3%	36.2%	40.8%	6.5%	0.17	38	21	380	22	25	41.1%	54%
2006	406	227	202	137	339	3.2	58.6%	44.5%	40.4%	8.9%	0.19	35	15	389	17	26	41.9%	62%
2007	366	185	173	117	291	2.9	58.5%	41.6%	40.2%	10.5%	0.22	9	25	325	12	16	40.9%	63%
2008	337	162	167	115	282	2.9	52.5%	56.8%	40.8%	6.9%	0.27	11	16	309	15	12	41.1%	56%
Total	8946	3679	4185	2982	7169							683	424	8276	150	195		
Mean	471	307	220	157	377	3.2	53.6%	62.1%	41.6%	12.4%	0.34	36	22	436	21	28	42.4%	61%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Statewide cougar mortality and harvest objectives, 1990 through 2008.



Statewide cougar sport harvest statistics, Utah 1971–2008.

Year	Hunters afield	Sport harvest	Hunter-days afield	Hunter-days per hunter	Hunter-days per cougar	Cougars per hunter
1971	207	94	—	—	—	0.45
1972	92	51	—	—	—	0.55
1973	108	66	—	—	—	.061
1974	176	103	963	5.5	9.3	.059
1975	286	176	1149	4.0	6.5	.062
1976	332	167	2379	7.2	14.2	0.50
1977	334	177	2098	6.3	11.9	0.53
1978	408	210	2443	6.0	11.6	0.51
1979	436	265	2312	5.3	8.7	0.61
1980	442	205	3081	7.0	15.0	0.46
1981	411	185	2496	6.1	13.5	0.45
1982	432	205	3526	8.2	17.2	0.47
1983	435	172	3728	8.6	21.7	0.40
1984	484	211	3874	8.0	18.4	0.44
1985	488	182	4839	9.9	26.6	0.37
1986	469	200	3785	8.1	18.9	0.43
1987	486	197	4657	9.6	23.6	0.41
1988	662	247	5690	8.6	23.0	0.37
1989	612	231	5811	9.5	25.2	0.38
1990	478	217	5240	11.0	24.1	0.45
1991	480	265	4069	8.5	15.4	0.55
1992	485	241	5089	10.5	21.1	0.50
1993	538	372	2403	4.5	6.5	0.69
1994	575	352	4863	8.5	13.8	0.61
1995	656	431	5585	8.5	13.0	0.66
1996	787	452	6060	7.7	13.4	0.57
1997	1376	576	8547	6.2	14.8	0.42
1998	1109	492	7857	7.1	16.0	0.44
1999	939	373	7213	7.7	19.3	0.40
2000	817	435	4636	5.7	10.7	0.53
2001	1341	449	5460	4.1	12.2	0.33
2002	1353	406	5545	4.1	13.7	0.30
2003	1231	427	5921	4.8	13.9	0.35
2004	936	448	3371	3.6	7.5	0.48
2005	1309	321	5746	4.4	17.9	0.25
2006	1016	339	4479	4.4	13.2	0.33
2007	1126	291	4863	4.3	16.7	0.26
2008	1081	282	4161	3.9	14.8	0.26
Mean	656	277	4398	6.8	15.5	0.46
10 yr. mean	1115	377	5140	4.7	14.0	0.35

*Limited entry hunting initiated in 1990 and combination of limited entry and harvest objective hunting initiated in 1997.

***Beginning in 2002, hunters afield was estimated as 93% of total licenses sold.

Statewide cougar harvest and mortality by unit / subunit, Utah 2008.

Unit	Limited entry permits*	Harvest quota	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits and harvest quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed/day	
1a	6		2	0	2	4.0	33%	0%	0%	0.17	
1b	12		1	3	4	1.8	33%	75%	0%	0.13	
1c		4	0	0	0		0%				
2	14		7	2	9	2.3	64%	22%	0%	0.08	
3	14		2	3	5	2.2	36%	60%	0%	0.08	
4	8		1	1	2	2.0	25%	50%	0%	0.28	
5	5		2	0	2	2.0	40%	0%	0%	0.09	
5a		5	0	0	0		0%			0.03	
6&7	8		4	5	9	3.4	75%	56%	13%	0.31	
8ab		5	1	1	2	2.0	40%	50%	0%	0.29	
8c		5	2	2	4	2.8	80%	50%	0%	0.41	
9a		6	3	0	3	2.7	50%	0%	0%	0.12	
9bcd		15	8	5	13	3.2	87%	38%	8%	0.50	
10a	14		8	2	10	3.3	71%	20%	14%	0.30	
10b		4	0	0	0		0%			0.05	
11		12	3	4	7	2.0	58%	57%	0%	0.06	
12		4	0	1	1		25%	100%	0%	0.05	
13		10	0	1	1	1.0	10%	100%	0%	0.31	
14		25	10	9	19	2.4	76%	47%	0%	0.35	
15		4	1	1	2	2.0	50%	50%	0%	0.00	
16a	9		3	1	4	3.8	44%	25%	25%	0.53	
16a1	20		4	3	7	2.3	35%	43%	0%	0.14	
16b1	10		4	0	4	2.5	40%	0%	0%	0.43	
16b2	13		4	1	5	4.6	31%	20%	20%	0.33	
16c1	5		4	1	5	3.4	80%	20%	0%	0.38	
16c2	12		3	2	5	1.3	33%	40%	0%	0.48	
17a1		9	2	7	9	3.0	100%	78%	17%	0.27	
17a2		9	3	6	9	3.7	100%	67%	22%	0.49	
17a3	10		7	3	10	2.3	90%	30%	0%	0.38	
17b	8		1	1	2	3.0	25%	50%	0%	0.00	
17c		10	6	1	7	3.3	70%	14%	14%	0.11	
18	6		3	1	4	2.8	67%	25%	0%	0.30	
19a	6		0	0	0		0%			0.00	
19b	6		2	1	3	2.3	50%	33%	0%	0.19	
20	11		2	0	2	1.5	18%	0%	0%	0.06	
21a	10		2	2	4	2.5	40%	50%	0%	0.03	
21b	10		7	4	11	3.2	100%	36%	9%	0.26	
22	15		8	6	14	3.5	80%	43%	8%	0.27	
23	6		3	1	4	2.5	67%	25%	0%	0.44	
24	11		5	6	11	2.4	100%	55%	0%	0.49	
25a	10		6	3	9	2.7	80%	33%	11%	0.16	
25b	7		1	0	1		14%	0%	0%	0.20	
25c	13		6	5	11	4.8	69%	45%	22%	0.19	
26		7	0	1	1	2.0	14%	100%	0%	0.16	
27	9		2	1	3	1.0	33%	33%	0%	0.26	
28	11		8	3	11	3.4	100%	27%	10%	0.38	
29		28	6	8	14	3.0	50%	57%	0%	0.26	
30	19		10	7	17	3.1	89%	41%	13%	0.23	
Total	337	162	167	115	282	2.9	52.5%	56.8%	40.8%	6.9%	0.27

*Total permits includes 18 regionwide conservation permits and 1 statewide conservation permit that are not included in the unit-by-unit permit totals; 15 permits were filled and are added into harvest by unit. Percent permits filled does not include any harvest taken with conservation permits.

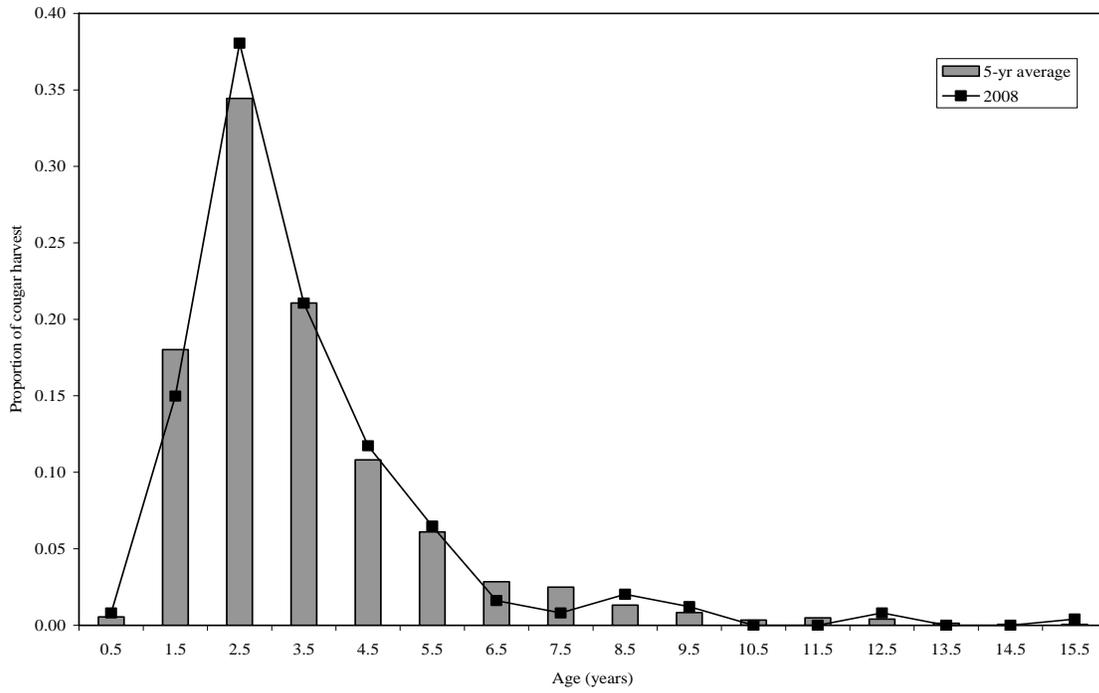
Adult cougar survival based on the Chapman-Robson estimator, Utah 1996–2008.

Year	n	Survival (%)	95% Confidence Interval
1996	316	66.5	±3.0
1997	517	67.3	±2.3
1998	377	62.5	±3.0
1999	275	61.8	±3.6
2000	301	59.7	±3.5
2001	357	62.6	±3.1
2002	283	60.3	±3.6
2003	346	62.9	±3.1
2004	321	61.4	±3.3
2005	209	54.3	±4.6
2006	248	62.1	±3.7
2007	194	63.2	±4.1
2008	208	56.4	±4.5

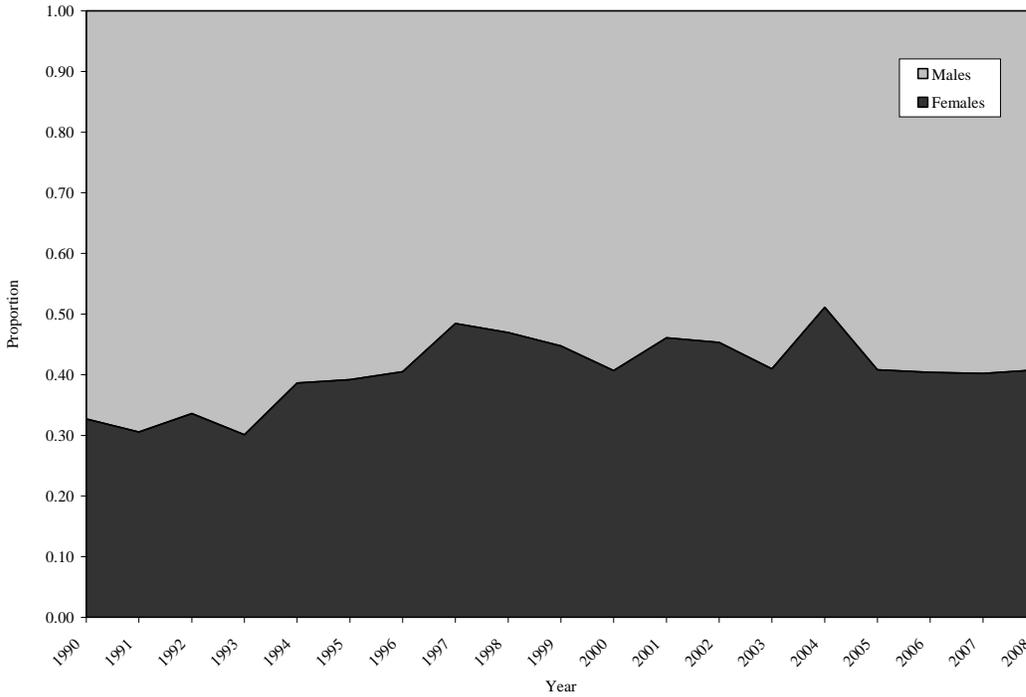
Guiding statistics for Utah cougar season, 2002–2008.

Year	Total harvest	Harvest with guide	% harvest with guide
2002	406	285	70.2
2003	427	291	68.1
2004	448	290	64.7
2005	321	202	62.9
2006	339	228	67.3
2007	291	194	66.7
2008	282	159	56.4

Proportion of cougars harvested by age class, Utah 2008.



Sex ratio of sport cougar harvest, 1990 through 2008.



Statewide cougar pursuit statistics, 1979–2008.

Year	n	Permits	% pursuing cougars	% pursuers treeing cougars	Cougars treed / pursuer	Cougars treed / pursuit-day
1979	60	114	72	83	4.6	0.24
1980	19	91	68	92	1.6	0.17
1981	—	95	—	—	—	—
1982	63	96	87	78	3.3	0.40
1983	41	88	83	76	3.6	0.24
1984	90	126	81	82	6.2	0.35
1985	51	86	86	86	6.4	0.33
1986	49	90	98	90	6.1	0.37
1987	66	141	99	77	6.0	0.38
1988	99	147	89	90	8.0	0.38
1989	123	204	72	90	8.4	0.40
1990	282	355	92	88	7.8	0.41
1991	319	364	90	98	10.8	0.49
1992	364	524	80	96	4.3	0.45
1993	347	570	88	97	5.9	0.49
1994	279	552	87	97	9.4	0.57
1995	—	505	—	—	—	—
1996	378	627	78	98	10.5	0.48
1997	298	638	87	88	9.1	0.33
1998	236	635	86	91	11.0	0.36
1999	275	630	92	74	3.8	0.30
2000	222	545	86	68	3.1	0.28
2001	222	692	84	63	7.3	0.30
2002	—	681	—	—	—	0.21
2003	250	703	80	81	4.3	0.29
2004	199	772	83	73	3.1	0.23
2005	285	703	84	80	5.5	0.17
2006	252	730	88	85	6.6	0.19
2007	208	714	86	74	6.2	0.22
2008	256	880	86	80	7.4	0.27
Mean	198	437	85	84	6.3	0.33

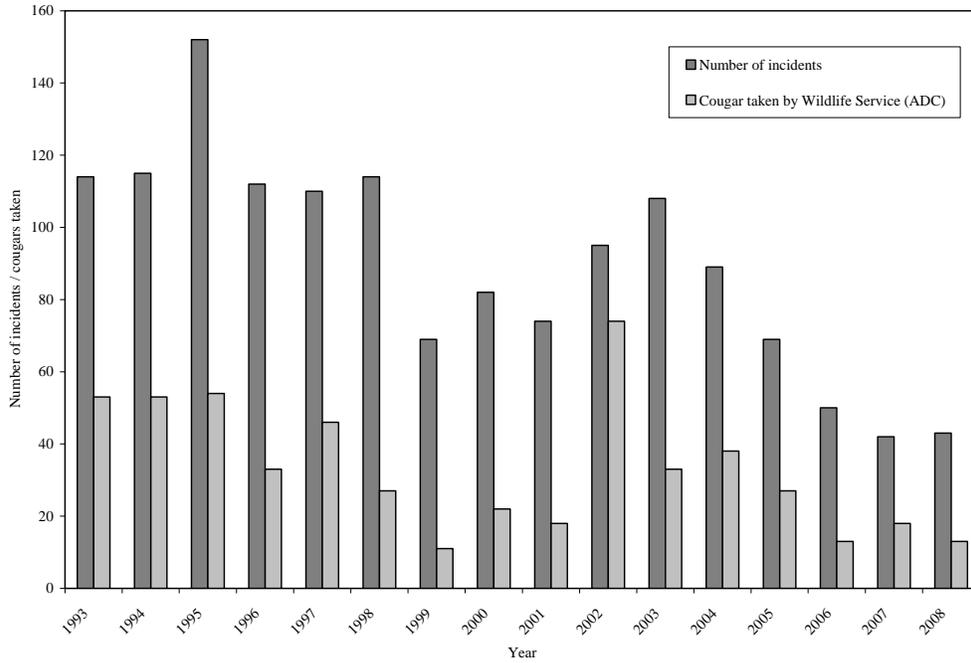
*In 1999, the combined cougar/bear pursuit permit was split into separate permits for each species.

Statewide cougar pursuit statistics by unit / subunit, Utah 2008.

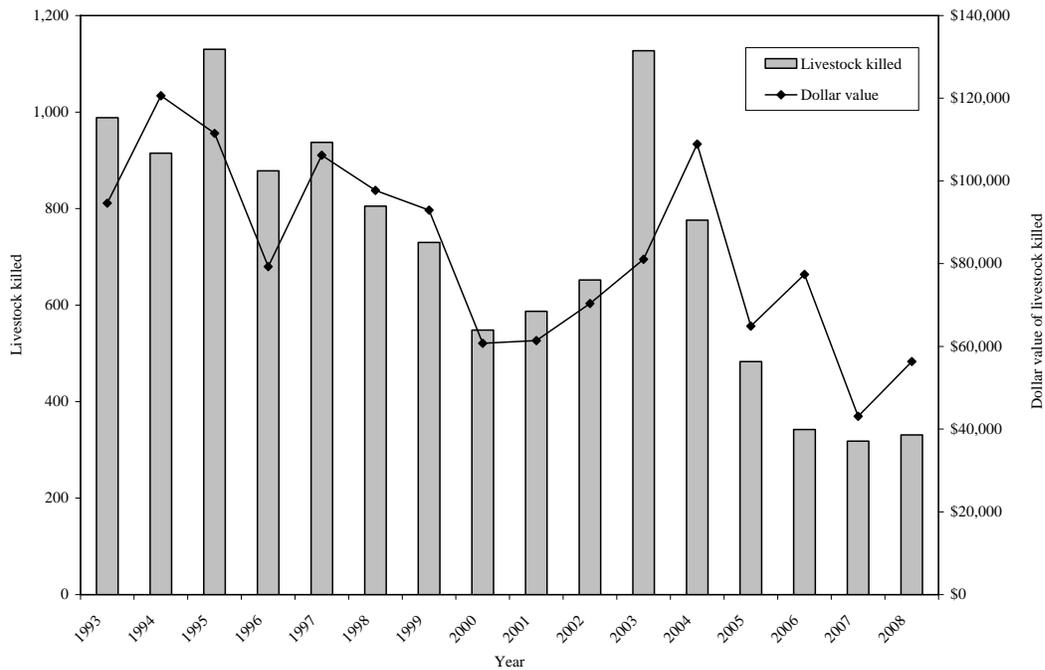
Unit	n	Pursuers afield	Pursuer days afield	Males treed	Females treed	Kittens treed	Unknown treed	Total cougars treed	Cougars treed per day	Cougars treed per pursuer
1a	9	31	409	28	24	14	3	69	0.17	2.23
1b	8	28	175	3	7	10	3	23	0.13	0.82
1c	0	0	—	—	—	—	—	—	—	—
2	15	52	798	28	21	3	10	62	0.08	1.19
3	8	28	464	7	21	7	0	35	0.08	1.25
4	5	17	206	7	41	10	0	58	0.28	3.41
5	4	14	117	7	3	0	0	10	0.09	0.71
5a	6	21	450	3	3	0	7	13	0.03	0.62
6&7	5	17	382	41	59	17	2	119	0.31	7.00
8ab	6	21	335	28	58	3	7	96	0.29	4.57
8c	6	21	172	34	31	3	3	71	0.41	3.38
9a	2	7	86	3	7	0	0	10	0.12	1.43
9bcd	8	28	419	83	72	41	14	210	0.50	7.50
10a	12	41	538	72	55	28	7	162	0.30	3.95
10b	3	10	131	0	0	7	0	7	0.05	0.70
11	6	21	327	3	14	3	0	20	0.06	0.95
12	2	7	58	0	3	0	0	3	0.05	0.43
13	4	14	266	41	41	0	0	82	0.31	5.86
14	6	21	237	34	34	14	0	82	0.35	3.90
15	1	3	3	0	0	0	0	0	0.00	0.00
16a	10	34	529	89	100	65	24	278	0.53	8.18
16a1	10	34	361	21	21	0	7	49	0.14	1.44
16b1	7	24	272	21	55	34	7	117	0.43	4.88
16b2	5	17	217	14	17	34	7	72	0.33	4.24
16c1	12	41	526	38	65	10	86	199	0.38	4.85
16c2	14	48	871	110	172	79	55	416	0.48	8.67
17a1	8	28	285	10	31	14	21	76	0.27	2.71
17a2	6	21	241	24	38	55	0	117	0.49	5.57
17a3	19	65	1351	138	268	67	46	519	0.38	7.98
17b	2	7	34	0	0	0	0	0	0.00	0.00
17c	7	24	120	10	3	0	0	13	0.11	0.54
18	20	69	1325	117	189	14	83	403	0.30	5.84
19a	2	7	69	0	0	0	0	0	0.00	0.00
19b	18	62	801	45	76	14	17	152	0.19	2.45
20	7	24	175	10	0	0	0	10	0.06	0.42
21a	3	10	120	0	3	0	0	3	0.03	0.30
21b	21	72	693	28	124	14	14	180	0.26	2.50
22	26	89	1604	141	189	31	69	430	0.27	4.83
23	11	38	385	58	93	7	10	168	0.44	4.42
24	7	24	241	31	45	34	7	117	0.49	4.88
25a	16	55	811	38	58	3	28	127	0.16	2.31
25b	3	10	143	0	21	0	7	28	0.20	2.80
25c	13	45	560	45	52	10	0	107	0.19	2.38
26	4	14	64	7	3	0	0	10	0.16	0.71
27	9	31	547	34	76	28	3	141	0.26	4.55
28	16	55	822	84	176	34	20	314	0.38	5.71
29	17	58	835	62	110	21	28	221	0.26	3.81
30	17	58	725	89	62	10	3	164	0.23	2.83
Unknown	3	10	105	3	3	0	0	6	0.06	0.60
Statewide	219	753	20405	1689	2544	738	598	5569	0.27	7.40

Totals for sample size and pursuers afield are not the sum of the columns because pursuers could pursue on multiple units.

Number of livestock depredation incidents and cougars taken by Wildlife Services, Utah 1993–2008.



Livestock losses due to cougar depredation, Utah 1993–2008.



APPENDIX A

HISTORIC COUGAR HARVEST BY HUNT UNIT

Total cougar mortality for Unit 1a – Box Elder, Raft River, Utah 1997–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1997	8		3	3	6	3.3	75.0%		50.0%	7.0%		1	0	7			42.9%
1998	5		2	2	4	3.5	80.0%		50.0%	33.0%	0.55	0	1	5			40.0%
1999	5		1	2	3	2.3	60.0%		66.7%	0.0%	0.35	2	0	5			40.0%
2000		8	5	3	8	3.2		100.0%	37.5%	12.0%	0.29	0	0	8			37.5%
2001		8	3	3	6	2.6		75.0%	50.0%	0.0%	0.46	0	1	7			42.9%
2002	6		4	0	4	2.8	66.7%		0.0%	0.0%	0.52	0	0	4	0	0	0.0%
2003	6		2	3	5	3.0	83.3%		60.0%	0.0%	0.30	1	0	6	1	0	50.0%
2004		10	6	4	10	2.8		100.0%	40.0%	0.0%	0.14	0	0	10	0	0	40.0%
2005		10	4	4	8	2.0		80.0%	50.0%	0.0%	0.11	0	0	8	0	0	50.0%
2006	8		3	1	4	3.0	50.0%		25.0%	0.0%	0.06	0	0	4	0	0	25.0%
2007	6		0	1	1	10.0	16.7%		100.0%	100.0%	0.16	0	0	1	0	0	100.0%
2008	6		2	0	2	4.0	33.3%		0.0%	0.0%	0.17	0	0	2	0	0	0.0%
Total	50	36	35	26	61							4	2	67	1	0	
Mean	6	9	3	2	5	3.5	58.1%	88.8%	42.6%	12.7%	0.28	0	0	6	0	0	38.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 1b – Box Elder, Desert, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	14		1	1	2		14.3%		50.0%			0	0	2			50.0%
1991	14		4	1	5		35.7%		20.0%			0	0	5			20.0%
1992	14		1	2	3		21.4%		66.7%			0	0	3			66.7%
1993	9		1	1	2		22.2%		50.0%			0	0	2			50.0%
1994	9		3	1	4		44.4%		25.0%			0	0	4			25.0%
1995	9		7	1	8		88.9%		12.5%			0	0	8			12.5%
1996	12		4	1	5	3.0	41.7%		20.0%			0	1	6			16.7%
1997	8		4	3	7	3.5	87.5%		42.9%	7.0%		1	1	9			33.3%
1998	8		2	3	5	5.3	62.5%		60.0%	33.0%	0.55	0	0	5			60.0%
1999	8		1	4	5	2.3	62.5%		80.0%	0.0%	0.35	0	0	5			80.0%
2000		12	7	4	11	3.2		91.7%	36.4%	12.0%	0.29	0	0	11			36.4%
2001		12	8	7	15	2.4		125.0%	46.7%	13.0%	0.47	4	1	20			35.0%
2002		9	1	3	4	4.0		44.4%	75.0%	25.0%	0.29	0	0	4	0	0	75.0%
2003	12		4	2	6	5.8	50.0%		33.3%	50.0%	0.46	0	1	7	0	0	28.6%
2004	1	18	5	6	11	4.4		61.1%	54.5%	37.5%	0.17	0	2	13	0	1	53.8%
2005		18	3	3	6	3.6		33.3%	50.0%	0.0%	0.13	1	0	7	0	0	42.9%
2006	18		1	2	3	3.3	16.7%		66.7%	0.0%	0.03	0	1	4	1	0	50.0%
2007	12		3	2	5	2.3	41.7%		40.0%	0.0%	0.27	0	2	7	2	0	28.6%
2008	12		1	3	4	1.8	33.3%		75.0%	0.0%	0.13	0	0	4	0	0	75.0%
Total	160	69	61	50	111							6	9	126	3	1	
Mean	11	14	3	3	6	3.4	44.5%	71.1%	47.6%	14.8%	0.29	0	0	7	0	0	44.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 1c – Box Elder, Pilot Mountain, Utah 1998–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females	
1998	6	3	0	0	0		0.0%	0.0%				0	0	0				
1999		3	1	0	1			33.3%	0.0%			0	0	1				0.0%
2000		3	0	0	0			0.0%				0	0	0				
2001		3	0	0	0			0.0%				0	0	0				
2002		4	1	2	3	4.5		75.0%	66.7%	0.0%	0.00	0	0	3	0	0		66.7%
2003		4	1	1	2			50.0%	50.0%	0.0%	0.17	0	0	2	0	0		50.0%
2004		4	1	0	1			25.0%	0.0%	0.0%	0.25	0	0	1	0	0		0.0%
2005		4	2	0	2	3.0		50.0%	0.0%	0.0%	0.22	0	0	2	0	0		0.0%
2006		4	0	0	0			0.0%			0.00	0	0	0	0	0		
2007		4	0	0	0			0.0%			0.00	0	0	0	0	0		
2008		4	0	0	0			0.0%				0	0	0	0	0		
Total	6	40	6	3	9							0	0	9	0	0		
Mean	6	4	1	0	1	3.8	0.0%	21.2%	23.3%	0.0%	0.11	0	0	1	0	0		23.3%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 2 – Cache, Utah 1996–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	20		10	6	16	4.0	80.0%		37.5%	29.0%		3	1	20			30.0%
1997	20		8	6	14	3.6	70.0%		42.9%	25.0%		2	1	17			35.3%
1998	19		8	3	11	3.5	57.9%		27.3%	17.0%	0.47	0	1	12			25.0%
1999	28		7	11	18	1.9	64.3%		61.1%	0.0%	0.41	0	1	19			57.9%
2000		35	17	19	36	2.5		102.9%	52.8%	9.0%	0.21	2	0	38			50.0%
2001		35	15	12	27	2.4		77.1%	44.4%	4.0%	0.26	0	2	29			41.4%
2002		12	2	4	6	2.0		50.0%	66.7%	0.0%	0.07	1	1	8	1	0	50.0%
2003	15	10	4	11	15	2.0	53.3%	70.0%	73.3%	0.0%	0.46	0	0	15	0	0	73.3%
2004		19	9	6	15	2.8		78.9%	40.0%	0.0%	0.06	0	1	16	1	0	37.5%
2005		19	8	4	12	1.4		63.2%	33.3%	0.0%	0.08	0	1	13	1	0	30.8%
2006	19		3	5	8	1.4	42.1%		62.5%	0.0%	0.15	0	2	10	0	2	70.0%
2007	14		2	6	8	2.1	57.1%		75.0%	0.0%	0.26	0	0	8	0	0	75.0%
2008	14		7	2	9	2.3	64.3%		22.2%	0.0%	0.08	0	1	10	1	0	20.0%
Total	149	130	100	95	195							8	12	215	4	2	
Mean	19	22	8	7	15	2.5	61.1%	73.7%	49.2%	6.5%	0.23	1	1	17	1	0	46%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 3 – Ogden, Utah 1996–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	12		3	5	8	4.0	66.7%		62.5%	25.0%		3	1	12			41.7%
1997	18		6	4	10	2.9	55.6%		40.0%	13.0%		0	0	10			40.0%
1998	12		3	5	8	4.1	66.7%		62.5%	25.0%	0.35	0	0	8			62.5%
1999	10		3	3	6	3.0	60.0%		50.0%	20.0%	0.18	0	0	6			50.0%
2000	10		3	4	7	2.3	70.0%		57.1%	14.0%	0.29	0	0	7			57.1%
2001		7	6	2	8	2.5		114.3%	25.0%	17.0%	0.56	1	2	11			18.2%
2002		7	2	3	5	4.3		71.4%	60.0%	25.0%	0.18	0	0	5	0	0	60.0%
2003	12		5	3	8	4.0	66.7%		37.5%	0.0%		0	0	8	0	0	37.5%
2004		19	6	13	19	2.3		100.0%	68.4%	0.0%	0.23	0	3	22	2	1	63.6%
2005		19	1	6	7	2.6		36.8%	85.7%	14.3%	0.07	0	0	7	0	0	85.7%
2006	19		4	2	6	1.6	31.6%		33.3%	0.0%	0.17	0	0	6	0	0	33.3%
2007	14		5	4	9	2.9		64.3%	44.4%	14.3%	0.28	0	0	9	0	0	44.4%
2008	14		2	3	5	2.2	35.7%		60.0%	0.0%	0.08	0	1	6	0	1	66.7%
Total	121	52	49	57	106							4	7	117	2	2	
Mean	13	13	4	4	8	3.0	57%	81%	53%	13%	0.24	0	1	9	0	0	50.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 4 – Morgan-Rich, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	13		0	0	0		0.0%					0	0	0			
1991	13		0	0	0		0.0%					0	0	0			
1992	13		0	0	0		0.0%					0	0	0			
1993	13		0	0	0		0.0%					0	0	0			
1994	14		0	0	0		0.0%					0	0	0			
1995	14		0	0	0		0.0%					0	0	0			
1996	7		3	2	5	2.5	71.4%		40.0%	0.0%		3	1	9			22.2%
1997	7		2	2	4	4.5	57.1%		50.0%	0.0%		0	0	4			50.0%
1998	7		1	2	3	2.5	42.9%		66.7%	0.0%	0.42	1	1	5			40.0%
1999	8		3	3	6	3.6	75.0%		50.0%	40.0%	0.61	0	0	6			50.0%
2000	12		6	4	10	1.6	83.3%		40.0%	0.0%	0.44	0	0	10			40.0%
2001		10	8	8	16	3.3		160.0%	50.0%	20.0%	0.63	0	0	16			50.0%
2002		12	4	5	9	2.9		75.0%	55.6%	12.5%	0.30	0	2	11	0	2	63.6%
2003	16		7	5	12	2.5	75.0%		41.7%	0.0%	0.48	0	0	12	0	0	41.7%
2004	16		7	4	11	3.0	68.8%		36.4%	11.1%	0.26	2	1	14	1	2	42.9%
2005	16		4	6	10	2.3	62.5%		60.0%	11.1%	0.28	1	0	11	0	0	54.5%
2006	11		5	6	11	3.3	100.0%		54.5%	10.0%	0.27	0	0	11	0	0	54.5%
2007	8		3	1	4	3.0	50.0%		25.0%	0.0%	0.23	1	0	5	1	0	20.0%
2008	8		1	1	2	2.0	25.0%		50.0%	0.0%	0.28	0	0	2	0	0	50.0%
Total	196	22	54	49	103							8	5	116	2	4	
Mean	11.5	11.0	2.8	2.6	5.4	2.8	41.8%	117.5%	47.7%	8.1%	0.38	0.4	0.3	6.1	0.3	0.6	45%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 5 – East Canyon, Utah 1996–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	8		4	1	5	3.7	62.5%		20.0%	0.0%		0	0	5			20.0%
1997	18		6	7	13	2.5	72.2%		53.8%	9.0%		0	3	16			43.8%
1998	22		7	9	16	2.6	72.7%		56.3%	6.0%	0.30	0	3	19			47.4%
1999	16		6	4	10	1.3	62.5%		40.0%	0.0%	0.39	0	0	10			40.0%
2000	18		3	6	9	2.3	50.0%		66.7%	0.0%	0.00	0	1	10			60.0%
2001	2	10	4	6	10	2.1	0.0%	100.0%	60.0%	0.0%	0.40	0	0	10			60.0%
2002		7	4	4	8	2.3		114.3%	50.0%	0.0%	0.25	0	0	8	0	0	50.0%
2003	10		3	3	6	2.5	60.0%		50.0%	0.0%	0.17	0	0	6	0	0	50.0%
2004	9		1	3	4	3.0	44.4%		75.0%	0.0%	0.08	0	0	4	0	0	75.0%
2005	10		3	4	7	2.1	70.0%		57.1%	0.0%	0.14	0	1	8	1	1	62.5%
2006	8		2	2	4	3.0	50.0%		50.0%	33.3%	0.07	1	0	5	0	1	60.0%
2007	7		1	1	2	2.0	28.6%		50.0%	0.0%	0.79	0	2	4	1	1	50.0%
2008	5		2	0	2	2.0	40.0%		0.0%	0.0%	0.09	0	0	2	0	0	0.0%
Total	133	17	46	50	96							1	10	107	2	3	
Mean	11.1	8.5	3.5	3.8	7.4	2.4	51.1%	107.1%	48.4%	3.7%	0.24	0.1	0.8	8.2	0.3	0.4	47.6%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 5a – East Canyon, Davis, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002	2		2	0	2	1.5	100.0%		0.0%	0.0%		0	0	2	0	0	0.0%
2003	2		1	1	2	2.0	100.0%		50.0%	0.0%		0	0	2	0	0	50.0%
2004	2		1	1	2	2.0	100.0%		50.0%	0.0%		0	0	2	0	0	50.0%
2005	4		1	0	1	3.0	25.0%		0.0%	0.0%	0.32	0	0	1	0	0	0.0%
2006		4	1	3	4	2.0		100.0%	75.0%	0.0%	0.05	0	1	5	1	0	60.0%
2007		5	0	1	1	9.0		20.0%	100.0%	100.0%	0.10	0	0	1	0	0	100.0%
2008		5	0	0	0			0.0%			0.03	0	0	0	0	0	
Total	10	14	6	6	12							0	1	13	1	0	
Mean	2.5	4.7	0.9	0.9	1.7	3.3	81.3%	40.0%	45.8%	16.7%	0.13	0.0	0.1	1.9	0.1	0.0	43.3%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 6/7 – Chalk Creek / Kamas, Utah 1996–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	10		4	3	7	6.0	70.0%		42.9%	100.0%		1	0	8			37.5%
1997	10		2	4	6	3.3	60.0%		66.7%	0.0%		0	1	7			57.1%
1998	10		4	4	8	2.2	80.0%		50.0%	0.0%	0.39	0	3	11			36.4%
1999	14		7	5	12	2.6	85.7%		41.7%	11.0%	0.31	0	0	12			41.7%
2000		12	8	4	12	2.5		100.0%	33.3%	9.0%	0.57	0	0	12			33.3%
2001		12	3	6	9	3.9		75.0%	66.7%	25.0%	0.62	1	0	10			60.0%
2002		12	6	5	11	3.2		91.7%	45.5%	18.2%	0.47	6	1	18	2	5	55.6%
2003	17		8	7	15	2.7	88.2%		46.7%	0.0%	0.60	17	2	34	6	12	55.9%
2004	12		7	3	10	2.6	83.3%		30.0%	14.3%	0.33	3	0	13	1	0	23.1%
2005	11		5	3	8	2.6	72.7%		37.5%	0.0%	0.44	14	1	23	6	2	21.7%
2006	10		5	4	9	2.2	90.0%		44.4%	0.0%	0.23	12	0	21	3	7	52.4%
2007	11		4	6	10	3.0	90.9%		60.0%	12.5%	0.64	1	0	11	1	0	54.5%
2008	8		4	5	9	3.4	75.0%		55.6%	12.5%	0.31	1	0	10	1	0	50.0%
Total	113	36	67	59	126							56	8	190	20	26	
Mean	11.3	12.0	5.2	4.5	9.7	3.1	79.6%	88.9%	47.8%	15.6%	0.45	4.3	0.6	14.6	2.9	3.7	44.6%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 8 – North Slope, Utah 1996–2002.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	12		2	2	4	6.5	33.3%		50.0%	75.0%		0	1	5			40.0%
1997	3	12	9	3	12	3.8			25.0%	23.0%		0	1	13			23.1%
1998	2	12	4	4	8	4.9			50.0%	25.0%	0.39	0	0	8			50.0%
1999	2	12	5	1	6	3.8			16.7%	17.0%	0.31	0	0	6			16.7%
2000		12	6	5	11	3.8		91.7%	45.5%	17.0%	0.57	0	0	11			45.5%
2001		14	8	6	14	3.2		100.0%	42.9%	8.0%	0.32	0	0	14			42.9%
2002		14	9	6	15	3.6		107.1%	40.0%	7.1%	0.35	0	0	15	0	0	40.0%
Total	19	76	43	27	70							0	2	72	0	0	
Mean	4.8	12.7	6.1	3.9	10.0	4.2	33.3%	99.6%	38.6%	24.6%	0.39	0.0	0.3	10.3	0.0	0.0	36.9%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 8ab – North Slope, West Daggett / Summit, Utah 2003–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2003		10	4	3	7	4.0		70.0%	42.9%	40.0%	0.18	0	0	7	0	0	42.9%
2004		10	3	4	7	3.0		70.0%	57.1%	0.0%	0.29	1	0	8	0	1	62.5%
2005		10	1	2	3	2.0		30.0%	66.7%	0.0%	0.07	0	0	3	0	0	66.7%
2006		10	1	2	3	3.0		30.0%	66.7%	0.0%	0.30	0	0	3	0	0	66.7%
2007		7	1	0	1	3.0		14.3%	0.0%	0.0%	0.18	0	0	1	0	0	0.0%
2008		5	1	1	2	2.0		40.0%	50.0%	0.0%	0.29	0	0	2	0	0	50.0%
Total		52	11	12	23							1	0	24	0	1	
Mean		8.7	1.8	2.0	3.8	2.8		42.4%	47.2%	6.7%	0.22	0.2	0.0	4.0	0.0	0.2	48.1%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 8c – North Slope, Three Corners, Utah 2003–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2003		10	1	2	3	3.5		30.0%	66.7%	0.0%		1	0	4	1	0	50.0%
2004		10	1	1	2	4.5		20.0%	50.0%	50.0%	0.20	0	0	2	0	0	50.0%
2005		10	1	1	2	2.0		20.0%	50.0%	0.0%	0.03	1	0	3	0	1	66.7%
2006		10	1	1	2	2.5		20.0%	50.0%	0.0%	0.00	0	0	2	0	0	50.0%
2007		7	4	0	4	3.0		57.1%	0.0%	0.0%	0.37	0	0	4	0	0	0.0%
2008		5	2	2	4	2.8		80.0%	50.0%	0.0%	0.41	0	0	4	0	0	50.0%
Total		52	10	7	17							2	0	19	1	1	
Mean		8.7	1.7	1.2	2.8	3.0		37.9%	44.4%	8.3%	0.20	0.3	0.0	3.2	0.2	0.2	44.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 9 – South Slope, Utah 1990–2001.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	56		13	7	20		35.7%		35.0%			4	0	24			29.2%
1991	56		18	12	30		53.6%		40.0%			0	1	31			38.7%
1992	56		13	15	28		50.0%		53.6%			1	1	30			50.0%
1993	57		14	14	28		49.1%		50.0%			2	0	30			46.7%
1994	60		22	10	32		53.3%		31.3%			0	2	34			29.4%
1995	63		24	10	34		54.0%		29.4%			1	2	37			27.0%
1996	75		27	13	40	4.4	53.3%		32.5%	32.0%		0	2	42			31.0%
1997	62		12	9	21	3.6	33.9%		42.9%	11.0%		1	1	23			39.1%
1998	40		8	7	15	3.1	37.5%		46.7%	8.0%	0.29	6	0	21			33.3%
1999	35		4	6	10	3.4	28.6%		60.0%	9.0%	0.26	1	0	11			54.5%
2000	35		4	1	5	3.2	14.3%		20.0%	0.0%	0.26	1	1	7			14.3%
2001	35		7	6	13	4.2	37.1%		46.2%	23.0%	0.31	0	1	14			42.9%
Total	630		166	110	276							17	11	304			
Mean	52.5		13.8	9.2	23.0	3.7	41.7%		40.6%	13.8%	0.28	1.4	0.9	25.3			36.3%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 9a – South Slope, Yellowstone, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002	8		1	1	2	3.0	25.0%		50.0%	22.0%	0.14	2	0	4	2	0	25.0%
2003	8		2	1	3	5.3	37.5%		33.3%	33.3%	0.24	0	0	3	0	0	33.3%
2004		10	1	5	6	2.5		60.0%	83.3%	0.0%	0.11	0	0	6	0	0	83.3%
2005		10	1	0	1	2.0		10.0%	0.0%	0.0%	0.18	0	0	1	0	0	0.0%
2006	10		2	0	2	3.5	20.0%		0.0%	0.0%	0.05	0	0	2	0	0	0.0%
2007		6	4	0	4	2.0		66.7%	0.0%	0.0%	0.19	0	0	4	0	0	0.0%
2008		6	3	0	3	2.7		50.0%	0.0%	0.0%	0.12	1	1	5	2	0	0.0%
Total	26	32	14	7	21							3	1	25	4	0	
Mean	8.7	8.0	2.0	1.0	3.0	3.0	27.5%	46.7%	23.8%	7.9%	0.15	0.4	0.1	3.6	0.6	0.0	20.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 9bcd – South Slope, Vernal / Diamond / Bonanza, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002	26		7	3	10	3.7	38.5%		30.0%	20.0%	0.06	2	0	12	1	1	33.3%
2003	25		5	4	9	5.0	36.0%		44.4%	40.0%	0.20	3	2	14	1	4	57.1%
2004		9	3	6	9	2.7		100.0%	66.7%	0.0%		0	0	9	0	0	66.7%
2005		20	5	4	9	1.8		45.0%	44.4%	0.0%	0.03	0	0	9	0	0	44.4%
2006		20	6	5	11	2.8		55.0%	45.5%	9.1%	0.12	2	0	13	0	2	53.8%
2007		20	7	1	8	4.0		40.0%	12.5%	20.0%	0.24	0	0	8	0	0	12.5%
2008		15	8	5	13	3.2		86.7%	38.5%	8.3%	0.50			13			38.5%
Total	51	84	41	28	69							7	2	78	2	7	
Mean	25.5	16.8	5.9	4.0	9.9	3.3	37.2%	65.3%	40.3%	13.9%	0.19	1.2	0.3	11.1	0.3	1.2	43.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 10 – Book Cliffs, Utah 1990–2002.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	18		5	4	9		50.0%		44.4%			2	0	11			36.4%
1991	18		11	2	13		72.2%		15.4%			0	1	14			14.3%
1992	18		2	4	6		33.3%		66.7%			4	0	10			40.0%
1993	18		11	1	12		66.7%		8.3%			1	0	13			7.7%
1994	22		8	3	11		50.0%		27.3%			0	0	11			27.3%
1995	26		10	4	14		53.8%		28.6%			1	1	16			25.0%
1996	40		11	7	18	4.2	45.0%		38.9%	18.0%		0	1	19			36.8%
1997		30	14	14	28	4.5		93.3%	50.0%	37.0%		3	0	31			45.2%
1998		30	12	9	21	4.4		70.0%	42.9%	21.0%	0.38	0	1	22			40.9%
1999		30	12	9	21	3.7		70.0%	42.9%	11.0%	0.19	1	1	23			39.1%
2000		30	11	10	21	2.9		70.0%	47.6%	6.0%	0.19	0	1	22			45.5%
2001		30	10	13	23	3.6		76.7%	56.5%	13.0%	0.19	0	0	23			56.5%
2002		30	14	8	22	3.3		73.3%	36.4%	20.0%	0.25	1	0	23	0	1	39.1%
Total	160	180	131	88	219							13	6	238	0	1	
Mean	22.9	30.0	10.1	6.8	16.8	3.8	53.0%	75.6%	38.9%	18.0%	0.24	1.0	0.5	18.3	0.0	1.0	34.9%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 10a – Book Cliffs, Bitter Creek, Utah 2003–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2003		30	14	5	19	4.2		63.3%	26.3%	33.3%	0.21	0	0	19	0	0	26.3%
2004		30	10	6	16	2.9		53.3%	37.5%	7.7%	0.25	2	0	18	0	2	44.4%
2005		30	4	1	5	1.7		16.7%	20.0%	0.0%	0.13	1	0	6	0	2	50.0%
2006	20		7	1	8	2.7	40.0%		12.5%	0.0%	0.14	3	1	12	0	2	25.0%
2007	13		3	1	4	1.0	30.8%		25.0%	0.0%	0.27	0	0	4	0	0	25.0%
2008	14		8	2	10	3.3	71.4%		20.0%	14.3%	0.30	0	0	10	0	0	20.0%
Total	47	90	46	16	62							6	1	69	0	6	
Mean	15.7	30.0	7.7	2.7	10.3	2.6	47.4%	44.4%	23.6%	9.2%	0.22	1.0	0.2	11.5	0.0	1.0	31.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 10b – Book Cliffs, Rattlesnake Canyon, Utah 2003–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2003		4	0	0	0			0.0%				3	0	3	1	1	33.3%
2004		4	1	1	2	4.5		50.0%	50.0%	50.0%		0	0	2	0	0	50.0%
2005		4	1	0	1			25.0%	0.0%		0.04	0	0	1	0	0	0.0%
2006		4	0	0	0			0.0%			0.00	3	0	3	2	0	0.0%
2007		4	0	0	0			0.0%			0.00	0	0	0	0	0	
2008		4	0	0	0			0.0%			0.05	0	0	0	0	0	
Total		24	2	1	3							6	0	9	3	1	
Mean		4.0	0.3	0.2	0.5	4.5		12.5%	25.0%	50.0%	0.02	1.0	0.0	1.5	0.5	0.2	20.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 11a – Nine Mile, Anthro, Utah 1990–2007.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	12		4	0	4		33.3%		0.0%			2	0	6			0.0%
1991	12		5	3	8		66.7%		37.5%			0	0	8			37.5%
1992	12		2	2	4		33.3%		50.0%			0	1	5			40.0%
1993	12		3	3	6		50.0%		50.0%			0	2	8			37.5%
1994	13		4	1	5		38.5%		20.0%			1	0	6			16.7%
1995	13		5	4	9		69.2%		44.4%			1	2	12			33.3%
1996	13		3	1	4	5.0	30.8%		25.0%	44.0%		0	0	4			25.0%
1997	13		2	3	5	3.8	38.5%		60.0%	20.0%		0	0	5			60.0%
1998	5		1	1	2	3.0	40.0%		50.0%	13.0%	0.41	0	0	2			50.0%
1999	5		1	0	1	2.9	20.0%		0.0%	0.0%	0.25	0	0	1			0.0%
2000	5		2	2	4	3.4	80.0%		50.0%	13.0%	0.24	0	0	4			50.0%
2001		6	2	1	3	3.7		50.0%	33.3%	0.0%	0.43	0	1	4			25.0%
2002		5	3	2	5	3.8		100.0%	40.0%	25.0%	0.16	0	0	5	0	0	40.0%
2003		5	1	1	2	5.0		40.0%	50.0%	0.0%	0.02	0	1	3	1	0	33.3%
2004		5	2	0	2	4.5		40.0%	0.0%	50.0%	0.10	0	0	2	0	0	0.0%
2005		5	1	0	1			20.0%	0.0%		0.03	0	0	1	0	0	0.0%
2006	5		0	0	0		0.0%				0.06	0	0	0	0	0	
2007	3		0	2	2	3.0	66.7%		100.0%	0.0%	0.33	0	0	2	0	0	100.0%
Total	123	26	41	26	67							4	7	78	1	0	
Mean	9.5	5.2	2.3	1.4	3.7	3.8	43.6%	50.0%	35.9%	16.5%	0.20	0.2	0.4	4.3	0.2	0.0	32.3%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 11bc – Nine Mile, Range Creek, Utah 1990–2007.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	16		5	3	8		50.0%		37.5%			0	0	8			37.5%
1991	16		5	1	6		37.5%		16.7%			0	0	6			16.7%
1992	16		6	1	7		43.8%		14.3%			0	1	8			12.5%
1993	16		6	0	6		37.5%		0.0%			1	0	7			0.0%
1994	16		5	4	9		56.3%		44.4%			0	0	9			44.4%
1995	16		8	4	12		75.0%		33.3%			0	0	12			33.3%
1996	16		6	1	7	3.6	43.8%		14.3%	44.0%		0	0	7			14.3%
1997		20	9	12	21	3.2		105.0%	57.1%	20.0%		2	1	24			50.0%
1998		16	7	7	14	3.5		87.5%	50.0%	13.0%	0.41	1	0	15			46.7%
1999		16	11	4	15	2.9		93.8%	26.7%	0.0%	0.25	0	0	15			26.7%
2000		16	7	9	16	3.4		100.0%	56.3%	13.0%	0.24	0	0	16			56.3%
2001		16	10	7	17	2.2		106.3%	41.2%	0.0%	0.33	0	1	18			38.9%
2002		16	11	5	16	2.6		100.0%	31.3%	6.3%	0.06	1	0	17	1	0	29.4%
2003		12	9	6	15	2.4		125.0%	40.0%	0.0%	0.11	0	0	15	0	0	40.0%
2004		25	4	8	12	5.3		48.0%	66.7%	41.7%	0.06	1	2	15	1	2	66.7%
2005		30	4	3	7	2.4		23.3%	42.9%	0.0%	0.14	0	0	7	0	0	42.9%
2006		20	5	4	9	3.1		45.0%	44.4%	25.0%	0.07	0	1	10	0	1	50.0%
2007		15	4	2	6	3.4		40.0%	33.3%	20.0%	0.09	0	0	6	0	0	33.3%
Total	112	202	122	81	203							6	6	215	2	3	
Mean	16.0	18.4	6.8	4.5	11.3	3.2	49.1%	79.4%	36.1%	15.2%	0.18	0.3	0.3	11.9	0.3	0.5	35.5%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

2003, 2004, and 2006 unit was called 11b, Nine Mile, Range Creek North.

Total cougar mortality for Unit 11c – Nine Mile, Range Creek South, Utah 2003–2004.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2003		8	2	2	4	4.0		50.0%	50.0%	0.0%	0.17	1	0	5	1	0	40.0%
2004		10	2	3	5			50.0%	60.0%			0	0	5	1	1	80.0%
Total		18	4	5	9							1	0	10	2	1	
Mean		9.0	2.0	2.5	4.5	4.0		50.0%	55.0%	0.0%	0.17	0.5	0.0	5.0	1.0	0.5	60.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Unit was recombined with unit 11b in 2005.

Total cougar mortality for Unit 11 – Nine Mile, Utah 2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2008	12	3	4	7	2.0		58.3%	57.1%	0.0%	0.06	1	0	8	0	1	62.5%	12
Total	12	3	4	7							1	0	8	0	1		12
Mean	12.0	3.0	4.0	7.0	2.0		58.3%	57.1%	0.0%	0.06	1.0	0.0	8.0	0.0	1.0	62.5%	12.0

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

All subunits were recombined in 2008.

Total cougar mortality for Unit 12 – San Rafael, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	4		0	0	0		0.0%					0	0	0			
1991	4		1	0	1		25.0%		0.0%			0	0	1			0.0%
1992	4		0	0	0		0.0%					0	0	0			
1993	4		0	0	0		0.0%					0	0	0			
1994	4		1	0	1		25.0%		0.0%	0.0%		0	0	1			0.0%
1995	4		0	0	0		0.0%					0	0	0			
1996	4		1	0	1	1.0	25.0%		0.0%	0.0%		0	0	1			0.0%
1997	4		0	0	0		0.0%					0	0	0			
1998	0		0	0	0						0.34	0	1	1			0.0%
1999		2	2	0	2	5.5		100.0%	0.0%	50.0%	0.19	0	0	2			0.0%
2000		7	0	0	0			0.0%			0.21	1	1	2			0.0%
2001		7	1	2	3	7.0		42.9%	66.7%	100.0%	0.60	2	1	6			33.3%
2002		7	0	0	0			0.0%				2	0	2	0	2	100.0%
2003		7	2	0	2	2.0		28.6%	0.0%	50.0%	0.00	1	0	3	1	0	0.0%
2004		7	2	1	3	2.0		42.9%	33.3%	0.0%	0.25	0	0	3	0	0	33.3%
2005		7	0	0	0			0.0%			0.10	0	0	0	0	0	
2006		5	0	0	0			0.0%				0	0	0	0	0	
2007		4	1	0	1			25.0%	0.0%		0.60	0	0	1	0	0	0.0%
2008		4	0	1	1			25.0%	100.0%	0.0%	0.05	0	1	2	1	0	50.0%
Total	32	57	11	4	15							6	4	22	2	2	
Mean	3.6	5.7	0.6	0.2	0.8	3.5	9.4%	26.4%	22.2%	28.6%	0.26	0.3	0.2	1.3	0.3	0.3	16.7%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 13a – La Sal, La Sal Mountains, Utah 1990–2006.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females	
1990	8		0	0	0		0.0%					0	0	0				
1991	8		2	0	2		25.0%		0.0%			1	0	3				0.0%
1992	8		1	1	2		25.0%		50.0%			1	0	3				33.3%
1993	8		3	1	4		50.0%		25.0%			0	3	7				14.3%
1994	9		3	1	4		44.4%		25.0%			0	0	4				25.0%
1995	12		2	0	2		16.7%		0.0%			0	0	2				0.0%
1996	12		3	2	5	2.9	41.7%		40.0%	0.0%		1	0	6				33.3%
1997		10	1	0	1	2.5		10.0%	0.0%	0.0%		0	2	3				0.0%
1998		10	3	0	3	2.3		30.0%	0.0%	0.0%	0.34	0	0	3				0.0%
1999		10	1	2	3	2.0		30.0%	66.7%	0.0%	0.23	0	0	3				66.7%
2000		10	4	3	7	2.9		70.0%	42.9%	0.0%	0.36	0	0	7				42.9%
2001		7	2	0	2	2.5		28.6%	0.0%	0.0%	0.67	0	1	3				0.0%
2002		7	5	0	5	2.4		71.4%	0.0%	0.0%	0.14	4	0	9	2	2		22.2%
2003		7	3	3	6	4.3		85.7%	50.0%	33.3%	0.36	0	0	6	0	0		50.0%
2004		15	3	0	3	2.5		20.0%	0.0%	0.0%	0.10	4	0	7	2	1		14.3%
2005		15	0	0	0			0.0%			0.16	2	0	2	0	0		0.0%
2006		10	1	0	1	7.0		10.0%	0.0%	100.0%	0.24	0	1	2	0	1		50.0%
Total	65	101	37	13	50							13	7	70	4	4		
Mean	9.3	10.1	2.2	0.8	2.9	3.1	29.0%	35.6%	20.0%	13.3%	0.29	0.8	0.4	4.1	0.8	0.8		22.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 13b – La Sal, Dolores Triangle, Utah 1994–2006.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1994	5		1	0	1		20.0%		0.0%			0	0	1			0.0%
1995	5		0	0	0		0.0%					0	0	0			
1996	5		2	0	2	4.0	40.0%		0.0%			0	0	2			0.0%
1997		5	0	0	0							0	0	0			
1998		5	0	0	0						0.34	0	0	0			
1999	5		0	0	0		0.0%				0.23	0	0	0			
2000		5	0	0	0						0.36	0	0	0			
2001		5	0	0	0							0	0	0	0	0	
2002		5	0	0	0							0	0	0	0	0	
2003		5	0	0	0						0.12	0	0	0	0	0	
2004		10	0	0	0						0.00	1	0	1	0	1	100.0%
2005		10	1	0	1			10.0%	0.0%		1.15	0	0	1	0	0	0.0%
2006		5	0	0	0							0	1	1	1	0	0.0%
Total	20	55	4	0	4							1	1	6	1	1	
Mean	5.0	6.1	0.3	0.0	0.3	4.0	15.0%	1.1%	0.0%		0.37	0.1	0.1	0.5	0.2	0.2	20.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 13 – La Sal, La Sal Mountains, Utah 2007–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2007		10	4	2	6	2.7		60.0%	33.3%	0.0%	0.28	0	1	7	0	1	42.9%
2008		10	0	1	1	1.0		10.0%	100.0%	0.0%	0.31	0	1	2	0	1	100.0%
Total		20	4	3	7							0	1	7	0	1	
Mean		10.0	2.0	1.5	3.5	1.9		35.0%	66.7%	0.0%	0.30	0.0	1.0	4.5	0.0	1.0	71.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

All subunits were recombined in 2007.

Total cougar mortality for Unit 14 – San Juan, Utah 1990–2001, 2006–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	13		2	0	2		15.4%		0.0%			0	0	2			0.0%
1991	13		3	2	5		38.5%		40.0%			0	0	5			40.0%
1992	13		7	4	11		84.6%		36.4%			0	0	11			36.4%
1993	13		2	2	4		30.8%		50.0%			0	1	5			40.0%
1994	15		3	3	6		40.0%		50.0%			0	0	6			50.0%
1995	24		7	2	9		37.5%		22.2%			0	0	9			22.2%
1996	24		5	5	10	3.8	41.7%		50.0%	20.0%		0	0	10			50.0%
1997		20	13	8	21	5.1		105.0%	38.1%	33.0%		0	1	22			36.4%
1998		20	12	9	21	2.8		105.0%	42.9%	0.0%	0.85	0	0	21			42.9%
1999		20	6	4	10	3.1		50.0%	40.0%	0.0%	0.37	0	0	10			40.0%
2000		20	12	8	20	3.0		100.0%	40.0%	6.0%	1.19	0	1	21			38.1%
2001		25	9	8	17	3.7		68.0%	47.1%	20.0%	0.48	0	0	17			47.1%
2006		30	9	8	17	2.9		56.7%	47.1%	0.0%	0.23	0	0	17	0	0	47.1%
2007		25	10	5	16	2.5		64.0%	33.3%	7.7%	0.13	0	0	16	0	0	33.3%
2008		25	10	9	19	2.4		76.0%	47.4%	0.0%	0.35	0	0	19	0	0	47.4%
Total	115	185	110	77	188							0	3	191	0	0	
Mean	16.4	23.1	7.3	5.1	12.5	3.3	41.2%	78.1%	39.0%	9.6%	0.51	0.0	0.2	12.7	0.0	0.0	38.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Unit 14 was broken into subunits 14a and 14b from 2002 to 2005.

Total cougar mortality for Unit 14a – San Juan, Abajo Mountains, Utah 2002–2005.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002		15	1	3	4	1.0		26.7%	75.0%	0.0%		0	0	4	0	0	75.0%
2003		15	9	7	16	3.9		106.7%	43.8%	25.0%	0.56	0	1	17	0	1	47.1%
2004		25	8	11	19	4.3		76.0%	57.9%	27.3%	0.12	0	0	19	0	0	57.9%
2005		25	4	1	5	1.0		20.0%	20.0%	0.0%	0.31	0	0	5	0	0	20.0%
Total	0	80	22	22	44							0	1	45	0	1	
Mean		20.0	5.5	5.5	11.0	2.5		57.3%	49.2%	13.1%	0.33	0.0	0.3	11.3	0.0	0.3	50.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 14b – San Juan, Elk Ridge, Utah 2002–2005.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002		10	1	1	2	3.0		20.0%	50.0%	0.0%		0	0	2	0	0	50.0%
2003		10	5	3	8	3.8		80.0%	37.5%	16.7%	0.27	0	0	8	0	0	37.5%
2004		15	3	3	6	1.0		40.0%	50.0%	0.0%		0	0	6	0	0	50.0%
2005		15	1	1	2	10.0		13.3%	50.0%	100.0%	0.11	0	0	2	0	0	50.0%
Total	0	50	10	8	18							0	0	18	0	0	187.5%
Mean		12.5	2.5	2.0	4.5	4.5		38.3%	46.9%	29.2%	0.19	0.0	0.0	4.5	0.0	0.0	46.9%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 15 – Henry Mountains, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	4		0	0	0		0.0%					0	1	1			0.0%
1991	4		1	1	2		50.0%	50.0%				0	0	2			50.0%
1992	4		1	0	1		25.0%	0.0%				0	0	1			0.0%
1993	4		1	1	2		50.0%	50.0%				0	0	2			50.0%
1994	4		0	0	0		0.0%					0	0	0			
1995	4		1	1	2		50.0%	50.0%				0	0	2			50.0%
1996	4		2	1	3	4.0	75.0%	33.3%	0.0%			0	0	3			33.3%
1997		5	1	5	6	4.4		120.0%	83.3%	20.0%		0	0	6			83.3%
1998		5	1	2	3	3.0		60.0%	66.7%	0.0%	0.40	0	0	3			66.7%
1999		5	3	0	3	1.3		60.0%	0.0%	0.0%	0.38	0	0	3			0.0%
2000		5	3	2	5	3.5		100.0%	40.0%	20.0%	0.73	0	0	5			40.0%
2001		8	3	3	6	2.8		75.0%	50.0%	0.0%	0.55	0	0	6			50.0%
2002		8	6	1	7	2.3		87.5%	14.3%	0.0%	0.12	0	0	7	0	0	14.3%
2003		8	3	4	7	4.0		87.5%	57.1%	20.0%	0.35	0	0	7	0	0	57.1%
2004		8	2	3	5	3.6		62.5%	60.0%	20.0%		0	0	5	0	0	60.0%
2005		8	1	0	1			12.5%	0.0%		0.28	0	0	1	0	0	0.0%
2006		8	2	1	3	3.0		37.5%	33.3%	0.0%	0.21	0	0	3	0	0	33.3%
2007		6	0	0	0			0.0%			0.38	0	0	0	0	0	
2008		4	1	1	2	2.0		50.0%	50.0%	0.0%	0.00	0	0	2	0	0	50.0%
Total	28	78	32	26	58							0	1	59	0	0	
Mean	4.0	6.5	1.7	1.4	3.1	3.1	35.7%	62.7%	39.9%	7.3%	0.34	0.0	0.1	3.1	0.0	0.0	37.5%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 16a – Central Mountains, Nebo, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	26		13	3	16		61.5%		18.8%			16	0	32			9.4%
1991	26		12	10	22		84.6%		45.5%			13	0	35			28.6%
1992	26		10	5	15		57.7%		33.3%			8	0	23			21.7%
1993	34		21	6	27		79.4%		22.2%			7	1	35			17.1%
1994	34		12	7	19		55.9%		36.8%			11	0	30			23.3%
1995	52		14	17	31		59.6%		54.8%			2	4	37			45.9%
1996	43		5	11	16	2.9	37.2%		68.8%	7.0%		2	0	18			61.1%
1997	43		16	13	29	2.9	67.4%		44.8%	8.0%		5	1	35			37.1%
1998	34		9	10	19	4.8	55.9%		52.6%	17.0%	0.40	1	0	20			50.0%
1999	24		12	5	17	3.2	70.8%		29.4%	11.0%	0.34	0	0	17			29.4%
2000	24		11	3	14	2.7	58.3%		21.4%	3.0%	0.37	0	0	14			21.4%
2001	24		11	4	15	3.3	62.5%		26.7%	7.0%	0.21	10	1	26			15.4%
2002	24		10	9	19	3.5	79.2%		47.4%	17.6%	0.26	2	0	21	0	2	52.4%
2003	18		7	8	15	4.5	83.3%		53.3%	25.0%	0.49	5	0	20	4	1	45.0%
2004	18		9	7	16	3.1	88.9%		43.8%	6.7%	0.44	2	3	21	2	2	42.9%
2005	18		6	3	9	2.6	50.0%		33.3%	0.0%	0.35	2	0	11	2	1	36.4%
2006	12		4	3	7	3.3	58.3%		42.9%	0.0%	0.21	4	0	11	2	2	45.5%
2007	11		4	1	5	3.6	45.5%		20.0%	20.0%	0.10	1	3	9	0	3	44.4%
2008	9		3	1	4	3.8	44.4%		25.0%	25.0%	0.53	4	0	8	2	2	37.5%
Total	500		189	126	315							95	13	423	12	13	
Mean	26.3		9.9	6.6	16.6	3.4	63.2%		37.9%	11.3%	0.34	5.0	0.7	22.3	1.7	1.9	35.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Before 2003, sub-unit was named "Manti, Nebo".

Total cougar mortality for Unit 16a1 – Central Mountains, Nebo-West Face, Utah 2003–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2003		20	10	10	20	2.9		100.0%	50.0%	5.3%	0.46	0	0	20	0	0	50.0%
2004		20	3	12	15	2.7		75.0%	80.0%	8.3%	0.27	0	1	16	1	0	75.0%
2005		20	6	5	11	1.9		55.0%	45.5%	0.0%	0.10	0	0	11	0	0	45.5%
2006		20	5	9	14	2.4		70.0%	64.3%	0.0%	0.11	0	0	14	0	0	64.3%
2007	20		8	3	11	1.9	55.0%		27.3%	0.0%	0.39	0	0	11	0	0	27.3%
2008	20		4	3	7	2.3	35.0%		42.9%	0.0%	0.14	0	0	7	0	0	42.9%
Total	40	80	36	42	78							0	1	79	1	0	
Mean	20.0	20.0	6.0	7.0	13.0	2.4	45.0%	75.0%	51.6%	2.3%	0.25	0.0	0.2	13.2	0.2	0.0	50.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 16b – Central Mountains, North Manti, Utah 1990–2003.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	20		6	6	12		60.0%		50.0%			3	1	16			37.5%
1991	20		9	2	11		55.0%		18.2%			2	1	14			14.3%
1992	20		10	1	11		55.0%		9.1%			4	5	20			5.0%
1993	35		15	8	23		65.7%		34.8%			3	5	31			25.8%
1994	42		17	8	25		59.5%		32.0%			1	0	26			30.8%
1995	52		20	10	30		57.7%		33.3%			2	3	35			28.6%
1996	49		14	14	28	2.3	57.1%		50.0%	7.0%		0	0	28			50.0%
1997	48		13	10	23	3.2	47.9%		43.5%	8.0%		1	0	24			41.7%
1998	45		7	10	17	3.7	37.8%		58.8%	17.0%	0.40	0	2	19			52.6%
1999	40		11	13	24	3.2	60.0%		54.2%	11.0%	0.34	4	0	28			46.4%
2000	28		11	7	18	2.7	64.3%		38.9%	3.0%	0.37	5	0	23			30.4%
2001	28		11	7	18	2.8	64.3%		38.9%	6.0%	0.18	0	2	20			35.0%
2002	27		11	6	17	3.5	63.0%		35.3%	17.6%	0.22	5	2	24	5	2	33.3%
2003	28		9	6	15	2.7	53.6%		40.0%	0.0%	0.24	3	7	25	4	6	48.0%
Total	482	0	164	108	272							33	28	333	9	8	
Mean	34.4		11.7	7.7	19.4	3.0	57.2%		38.4%	8.7%	0.29	2.4	2.0	23.8	4.5	4.0	34.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Before 2003, sub-unit was named "Manti, North Manti".

Total cougar mortality for Unit 16b1 – Central Mountains, Northwest Manti, Utah 2004–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2004	16		6	2	8	2.7	50.0%		25.0%	0.0%		0	1	9	0	1	33.3%
2005	17		8	2	10	1.6	58.8%		20.0%	0.0%	0.18	1	1	12	0	1	25.0%
2006	16		4	2	6	3.2	37.5%		33.3%	0.0%	0.35	0	0	6	0	0	33.3%
2007	12		1	4	5	4.0	41.7%		80.0%	20.0%	0.50	0	0	5	1	0	80.0%
2008	10		4	0	4	2.5	40.0%		0.0%	0.0%	0.43	0	0	4	0	0	0.0%
Total	71		23	10	33							1	2	36	1	2	
Mean	14.2		4.6	2.0	6.6	2.8	45.6%		31.7%	4.0%	0.37	0.2	0.4	7.2	0.2	0.4	34.3%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 16b2 – Central Mountains, Northeast Manti, Utah 2004–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2004		20	9	11	20	4.7		100.0%	55.0%	33.3%		0	0	20	0	0	55.0%
2005	20	10	3	5	8	3.7	20.0%	40.0%	62.5%	28.6%	0.10	1	0	9	1	0	55.6%
2006	18		5	1	6	2.4	33.3%		16.7%	0.0%	0.27	1	0	7	0	1	28.6%
2007	17		3	2	5	2.3	29.4%		40.0%	0.0%	0.14	0	0	5	0	0	40.0%
2008	13		4	1	5	4.6	30.8%		20.0%	20.0%	0.33	1	0	6	1	0	16.7%
Total	68	30	24	20	44							3	0	47	2	1	
Mean	17.0	15.0	4.8	4.0	8.8	3.5	28.4%	70.0%	38.8%	16.4%	0.21	0.6	0.0	9.4	0.4	0.2	39.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 16c – Central Mountains, South Manti, Utah 1990–2003.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	29		12	3	15		51.7%		20.0%			2	1	18			16.7%
1991	29		12	5	17		58.6%		29.4%			6	0	23			21.7%
1992	29		14	3	17		58.6%		17.6%			5	1	23			13.0%
1993	33		25	6	31		93.9%		19.4%			5	2	38			15.8%
1994	37		20	9	29		78.4%		31.0%			4	0	33			27.3%
1995	56		17	18	35		62.5%		51.4%			5	9	49			36.7%
1996	44		13	14	27	3.4	61.4%		51.9%	7.0%		3	1	31			45.2%
1997	36		19	6	25	2.8	69.4%		24.0%	8.0%		3	0	28			21.4%
1998	40		15	9	24	2.4	60.0%		37.5%	17.0%	0.40	3	2	29			31.0%
1999	25		10	6	16	3.2	64.0%		37.5%	11.0%	0.34	1	0	17			35.3%
2000	20		10	5	15	2.7	75.0%		33.3%	3.0%	0.37	0	0	15			33.3%
2001	20		8	7	15	3.7	75.0%		46.7%	21.0%	0.34	3	1	19			36.8%
2002	21		13	4	17	3.7	81.0%		23.5%	13.3%	0.31	1	1	19	2	0	21.1%
2003	20		14	4	18	3.6	90.0%		22.2%	14.3%	0.28	11	1	30	2	10	46.7%
Total	439	0	202	99	301							52	19	372	4	10	
Mean	31.4		14.4	7.1	21.5	3.2	70.0%		31.8%	11.8%	0.34	3.7	1.4	26.6	2.0	5.0	28.7%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Before 2003, sub-unit was named "Manti, South Manti".

Total cougar mortality for Unit 16c1 – Central Mountains, Southwest Manti, Utah 2004–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2004	16		10	3	13	2.8	81.3%		23.1%	0.0%		11	5	29	6	10	44.8%
2005	16		8	2	10	2.0	62.5%		20.0%	0.0%	0.32	1	0	11	1	0	18.2%
2006	11		7	4	11	2.9	100.0%		36.4%	0.0%	0.32	3	0	14	3	0	28.6%
2007	8		3	3	6	3.6	75.0%		50.0%	20.0%	0.30	0	0	6	0	0	50.0%
2008	5		4	1	5	3.4	80.0%		20.0%	0.0%	0.38	0	0	5	0	0	20.0%
Total	56		32	13	45							15	5	65	10	10	
Mean	11.2		6.4	2.6	9.0	2.9	79.8%		29.9%	4.0%	0.33	3.0	1.0	13.0	2.0	2.0	32.3%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 16c2 – Central Mountains, Southeast Manti, Utah 2004–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2004		20	9	11	20	3.8		100.0%	55.0%	16.7%		4	1	25	2	3	56.0%
2005	19	10	7	10	17	3.6	36.8%	100.0%	58.8%	21.4%	0.13	1	1	19	1	0	52.6%
2006	18		3	1	4	3.0	22.2%		25.0%	0.0%	0.14	2	0	6	0	2	50.0%
2007	18		6	1	7	3.0	38.9%		14.3%	16.7%	0.16	0	0	7	0	0	14.3%
2008	12		3	2	5	1.3	33.3%		40.0%	0.0%	0.48	0	1	6	0	1	50.0%
Total	67	30	28	25	53							7	3	63	3	6	
Mean	16.8	15.0	5.6	5.0	10.6	3.0	32.8%	100.0%	38.6%	11.0%	0.23	1.4	0.6	12.6	0.6	1.2	44.6%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 17 – Wasatch Mountains, Utah 1990–2001.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	10		2	2	4		40.0%		50.0%			0	0	4			50.0%
1991	10		2	1	3		30.0%		33.3%			0	0	3			33.3%
1992	10		4	0	4		40.0%		0.0%			0	1	5			0.0%
1993	28		11	4	15		53.6%		26.7%			6	7	28			14.3%
1994	30		9	8	17		56.7%		47.1%			1	4	22			36.4%
1995	43		15	10	25		58.1%		40.0%			4	8	37			27.0%
1996	43		20	11	31	3.2	72.1%		35.5%	17.0%		1	1	33			33.3%
1997	42		18	11	29	3.4	69.0%		37.9%	19.0%		2	11	42			26.2%
1998	60		21	15	36	4.6	60.0%		41.7%	12.0%	0.39	2	0	38			39.5%
1999	55		15	13	28	2.6	50.9%		46.4%	11.0%	0.23	1	0	29			44.8%
2000	40	12	27	20	47	3.0	82.0%	100.0%	42.6%	15.0%	0.32	4	0	51			39.2%
2001	40	24	21	26	47	2.8	67.5%	83.3%	55.3%	7.0%	0.26	5	5	57			45.6%
Total	411	36	165	121	286							26	37	349	0	0	
Mean	34.3	18.0	13.8	10.1	23.8	3.3	56.7%	91.7%	38.0%	13.5%	0.30	2.2	3.1	29.1			32.5%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 17a1 – Wasatch Mountains, Timpanogos, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002		12	5	5	10	2.8		83.3%	50.0%	0.0%		0	0	10	0	0	50.0%
2003		15	5	1	6	4.0		40.0%	16.7%	0.0%	0.38	0	1	7	1	0	14.3%
2004		15	4	0	4	2.5		26.7%	0.0%	0.0%	0.47	0	0	4	0	0	0.0%
2005		12	0	4	4	1.3		33.3%	100.0%	0.0%	0.21	0	0	4	0	0	100.0%
2006		12	3	3	6	3.8		50.0%	50.0%	16.7%	0.12	0	0	6	0	0	50.0%
2007		12	2	1	3	3.0		25.0%	33.3%	33.3%	0.04	0	0	3	0	0	33.3%
2008		9	2	7	9	3.0		100.0%	77.8%	16.7%	0.27	0	1	10	0	1	80.0%
Total		87	21	21	42							0	2	44	1	1	
Mean		12.4	3.0	3.0	6.0	2.9		51.2%	46.8%	9.5%	0.25	0.0	0.3	6.3	0.1	0.1	46.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 17a2 – Wasatch Mountains, Cascade, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002		12	7	6	13	2.6		108.3%	46.2%	16.7%		0	1	14	0	1	50.0%
2003		15	6	4	10	3.1		66.7%	40.0%	0.0%	0.25	0	0	10	0	0	40.0%
2004		15	4	4	8	3.8		53.3%	50.0%	33.3%	0.50	0	0	8	0	0	50.0%
2005		12	1	2	3	1.3		25.0%	66.7%	0.0%	0.18	0	0	3	0	0	66.7%
2006		12	5	3	8	4.0		66.7%	37.5%	14.3%	0.18	0	0	8	0	0	37.5%
2007		12	3	0	3	3.5		25.0%	0.0%	0.0%	0.08	0	0	3	0	0	0.0%
2008		9	3	6	9	3.7		100.0%	66.7%	22.2%	0.49	0	0	9	0	0	66.7%
Total		87	29	25	54							0	1	55	0	1	
Mean		12.4	4.1	3.6	7.7	3.1		63.6%	43.9%	12.4%	0.28	0.0	0.1	7.9	0.0	0.1	44.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 17a3 – Wasatch Mountains, West, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002	13		5	5	10	3.3	76.9%		50.0%	22.2%	0.46	1	0	11	0	1	54.5%
2003	12		4	3	7	6.3	58.3%		42.9%	33.3%	0.32	0	2	9	2	0	33.3%
2004	11		5	3	8	3.5	72.7%		37.5%	25.0%	0.38	1	1	10	0	2	50.0%
2005	11		6	2	8	2.3	72.7%		25.0%	0.0%	0.00	1	1	10	0	0	20.0%
2006	13		7	4	11	3.4	84.6%		36.4%	0.0%	0.49	1	1	13	1	1	38.5%
2007	10		4	2	6	3.2	60.0%		33.3%	0.0%	0.37	0	0	6	0	0	33.3%
2008	10		7	3	10	2.3	90.0%		30.0%	0.0%	0.38	1	3	14	2	2	35.7%
Total	80		38	22	60							3	5	43	3	3	
Mean	11.4		5.4	3.1	8.6	3.5	73.6%		36.4%	11.5%	0.34	0.7	1.1	10.4	0.7	0.9	37.9%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

2002, 2003, and 2004 unit was called 17a Wasatch Mountains, West.

Total cougar mortality for Unit 17bc – Wasatch Mountains, Currant Creek / Avintaquin, Utah 2002–2003.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002	26		8	6	14	3.6	53.8%		42.9%	21.4%	0.13	3	0	17	1	1	41.2%
2003	25		9	6	15	3.9	60.0%		40.0%	20.0%	0.21	1	1	17	0	2	47.1%
Total	51	0	17	12	29							4	1	34	1	3	
Mean	25.5		8.5	6.0	14.5	3.8	56.9%		41.4%	20.7%	0.17	2.0	0.5	17.0	0.5	1.5	44.1%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 17b – Wasatch Mountains, Carrant Creek, Utah 2004–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2004	15		2	1	3	2.7	20.0%		33.3%	0.0%		2	0	5	0	1	40.0%
2005	14		3	2	5	4.5	35.7%		40.0%	25.0%	0.14	0	0	5	0	0	40.0%
2006	14		4	0	4	3.5	28.6%		0.0%	25.0%	0.13	0	0	4	0	0	0.0%
2007	14		1	2	3	1.5	21.4%		66.7%	0.0%	0.25	0	0	3	0	0	66.7%
2008	8		1	1	2	3.0	25.0%		50.0%	0.0%	0.00	0	1	3	1	0	33.3%
Total	65		11	6	17							2	1	14	1	1	
Mean	13.0		2.2	1.2	3.4	3.0	26.1%		38.0%	10.0%	0.13	0.4	0.2	4.0	0.2	0.2	36.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 17c – Wasatch Mountains, Avintaquin, Utah 2004–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2004		15	1	9	10	2.6			66.7%	90.0%		0	0	10	0	0	90.0%
2005		15	4	4	8	2.5			53.3%	50.0%	0.35	1	0	9	0	0	44.4%
2006		15	2	2	4	1.7			26.7%	50.0%	0.16	0	0	4	0	0	50.0%
2007		10	2	4	6	4.2			60.0%	66.7%	0.26	0	0	6	0	0	66.7%
2008		10	6	1	7	3.3			70.0%	14.3%	0.11	0	0	7	0	0	14.3%
Total		65	15	20	35							1	0	23	0	0	
Mean		13.0	3.0	4.0	7.0	2.9			55.3%	54.2%	0.22	0.2	0.0	7.2	0.0	0.0	53.1%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 18 – Oquirrh-Stansbury, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	11		2	2	4		36.4%		50.0%			2	0	6			33.3%
1991	11		7	2	9		81.8%		22.2%			1	0	10			20.0%
1992	11		3	1	4		36.4%		25.0%			1	1	6			16.7%
1993	15		6	2	8		53.3%		25.0%			0	1	9			22.2%
1994	17		5	5	10		58.8%		50.0%			3	0	13			38.5%
1995	26		6	9	15		57.7%		60.0%			0	0	15			60.0%
1996	26		9	9	18	3.9	69.2%		50.0%	27.0%		2	2	22			40.9%
1997	20		6	5	11	4.9	55.0%		45.5%	27.0%		2	2	15			33.3%
1998	20		9	8	17	2.8	85.0%		47.1%	13.0%	0.30	0	1	18			44.4%
1999	13		7	3	10	4.0	76.9%		30.0%	11.0%	0.20	0	0	10			30.0%
2000	13		4	4	8	3.0	61.5%		50.0%	17.0%	0.26	0	0	8			50.0%
2001	13		6	3	9	4.6	69.2%		33.3%	25.0%	0.17	0	0	9			33.3%
2002	16		6	5	11	3.3	68.8%		45.5%	0.0%	0.16	0	1	12	1	0	41.7%
2003	12		6	2	8	4.0	66.7%		25.0%	0.0%	0.45	0	3	11	2	1	27.3%
2004	11		1	3	4	2.5	36.4%		75.0%	0.0%	0.32	0	0	4	0	0	75.0%
2005	7		1	4	5	4.4	71.4%		80.0%	40.0%	0.18	1	3	9	2	3	77.8%
2006	7		4	2	6	3.4	85.7%		33.3%	20.0%	0.31	1	0	7	0	0	28.6%
2007	6		2	0	2	3.0	33.3%		0.0%	0.0%	0.28	0	0	2	0	0	0.0%
2008	6		3	1	4	2.8	66.7%		25.0%	0.0%	0.30	1	0	5	1	0	20.0%
Total	261		93	70	163							14	14	191	6	4	
Mean	13.7		4.9	3.7	8.6	3.6	61.6%		40.6%	13.8%	0.27	0.7	0.7	10.1	0.9	0.6	36.5%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 19a – West Desert, Mountain Ranges, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	17		2	0	2		11.8%		0.0%			0	0	2			0.0%
1991	17		0	1	1		5.9%		100.0%			3	1	5			20.0%
1992	17		0	1	1		5.9%		100.0%			0	1	2			50.0%
1993	20		3	1	4		20.0%		25.0%			2	1	7			14.3%
1994	20		2	3	5		25.0%		60.0%			3	0	8			37.5%
1995	20		4	4	8		40.0%		50.0%			3	6	17			23.5%
1996	20		4	2	6	4.7	30.0%		33.3%	25.0%		0	1	7			28.6%
1997		10	4	6	10	4.8		100.0%	60.0%	31.0%		0	0	10			60.0%
1998		10	1	3	4	4.1		40.0%	75.0%	40.0%	0.29	2	1	7			42.9%
1999		10	1	2	3	3.2		30.0%	66.7%	17.0%	0.20	0	0	3			66.7%
2000		10	2	1	3	2.9		30.0%	33.3%	13.0%	0.17	0	0	3			33.3%
2001		8	3	0	3	3.0		37.5%	0.0%	0.0%	0.29	0	0	3			0.0%
2002		8	1	3	4	4.3		50.0%	75.0%	25.0%	0.02	0	0	4	0	0	75.0%
2003		8	2	0	2	4.0		25.0%	0.0%	0.0%	0.00	0	0	2	0	0	0.0%
2004		8	0	1	1	12.0		12.5%	100.0%	100.0%	0.00	0	0	1	0	0	100.0%
2005		8	1	1	2	2.0		25.0%	50.0%	0.0%	0.14	0	0	2	0	0	50.0%
2006	8		2	2	4	5.5	50.0%		50.0%	50.0%	0.47	0	0	4	0	0	50.0%
2007	8		0	1	1	5.0	12.5%		100.0%	0.0%	0.00	0	0	1	0	0	100.0%
2008	6		0	0	0		0.0%				0.00	0	0	0	0	0	
Total	153	80	32	32	64							13	11	88	0	0	
Mean	15.3	8.9	1.7	1.7	3.4	4.6	20.1%	38.9%	54.4%	25.1%	0.14	0.7	0.6	4.6	0.0	0.0	41.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 19b – West Desert, Tintic-Vernon, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	11		3	2	5		45.5%		40.0%			3	0	8			25.0%
1991	11		5	0	5		45.5%		0.0%			1	2	8			0.0%
1992	11		3	1	4		36.4%		25.0%			4	0	8			12.5%
1993	10		2	2	4		40.0%		50.0%			3	0	7			28.6%
1994	10		2	2	4		40.0%		50.0%			8	1	13			15.4%
1995	15		3	5	8		53.3%		62.5%			0	0	8			62.5%
1996	15		4	7	11	4.7	73.3%		63.6%	25.0%		1	3	15			46.7%
1997		5	1	7	8	4.8		160.0%	87.5%	31.0%		1	1	10			70.0%
1998		5	3	5	8	4.1		160.0%	62.5%	40.0%	0.29	0	0	8			62.5%
1999	8		3	0	3		37.5%		0.0%	17.0%	0.20	0	0	3			0.0%
2000	8		2	3	5		62.5%		60.0%	13.0%	0.17	0	0	5			60.0%
2001		7	4	3	7	4.1		100.0%	42.9%	29.0%	0.38	0	0	7			42.9%
2002	15		1	3	4	2.0	26.7%		75.0%	0.0%	0.25	1	0	5	0	0	60.0%
2003	15		6	0	6	2.4	40.0%		0.0%	0.0%	0.14	0	0	6	0	0	0.0%
2004	15		1	2	3	3.0	20.0%		66.7%	0.0%	0.48	1	0	4	0	0	50.0%
2005	15		4	1	5	2.3	33.3%		20.0%	0.0%	0.10	0	0	5	0	0	20.0%
2006	9		3	3	6	3.3	66.7%		50.0%	33.3%	0.28	0	0	6	0	0	50.0%
2007	8		4	7	11	3.4	137.5%		63.6%	22.2%	0.14	0	0	11	0	0	63.6%
2008	6		2	1	3	2.3	50.0%		33.3%	0.0%	0.19	0	0	3	0	0	33.3%
Total	182	17	56	54	110							23	7	140	0	0	
Mean	11.4	5.7	2.9	2.8	5.8	3.3	50.5%	140.0%	44.9%	16.2%	0.24	1.2	0.4	7.4	0.0	0.0	37.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 19c – West Desert, Tintic, Utah 2002.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002	10		3	3	6	3.2	60.0%		50.0%	0.0%		0	0	6	0	0	50.0%
Total	10		3	3	6							0	0	6	0	0	
Mean	10.0		3.0	3.0	6.0		60.0%		50.0%			0.0	0.0	6.0	0.0	0.0	50.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 20 – Southwest Desert, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	8		5	3	8		100.0%		37.5%			1	2	11			27.3%
1991	8		3	1	4		50.0%		25.0%			0	1	5			20.0%
1992	8		0	2	2		25.0%		100.0%			0	1	3			66.7%
1993	8		3	3	6		75.0%		50.0%			0	1	7			42.9%
1994	11		3	4	7		63.6%		57.1%			0	0	7			57.1%
1995	12		2	3	5		41.7%		60.0%			0	0	5			60.0%
1996	12		4	0	4	2.8	33.3%		0.0%	25.0%		0	1	5			0.0%
1997		12	5	4	9	4.4		75.0%	44.4%	22.0%		0	2	11			36.4%
1998		12	6	0	6	2.8		50.0%	0.0%	12.0%	0.26	0	0	6			0.0%
1999		12	2	2	4	3.0		33.3%	50.0%	0.0%	0.29	0	0	4			50.0%
2000		12	4	2	6	2.0		50.0%	33.3%	0.0%	0.09	0	0	6			33.3%
2001		12	8	1	9	3.5		75.0%	11.1%	25.0%	0.36	0	0	9			11.1%
2002		12	5	6	11	3.7		91.7%	54.5%	10.0%	0.09	0	0	11	0	0	54.5%
2003		12	5	4	9	2.8		75.0%	44.4%	0.0%	0.07	0	0	9	0	0	44.4%
2004		12	3	3	6	4.0		50.0%	50.0%	33.3%	0.13	0	0	6	0	0	50.0%
2005		12	6	0	6	1.8		50.0%	0.0%	0.0%	0.11	0	0	6	0	0	0.0%
2006	12		3	1	4	4.5	33.3%		25.0%	25.0%	0.10	0	0	4	0	0	25.0%
2007	12		3	4	7	2.6	58.3%		57.1%	0.0%	0.04	0	0	7	0	0	57.1%
2008	11		2	0	2	1.5	18.2%		0.0%	0.0%	0.06	0	0	2	0	0	0.0%
Total	102	108	72	43	115							1	8	124	0	0	
Mean	10.2	12.0	3.8	2.3	6.1	3.0	49.8%	61.1%	36.8%	11.7%	0.15	0.1	0.4	6.5	0.0	0.0	33.5%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 21 – Fillmore, Utah 1990–2001.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	30		7	2	9		30.0%		22.2%			3	0	12			16.7%
1991	30		8	5	13		43.3%		38.5%			1	1	15			33.3%
1992	30		9	4	13		43.3%		30.8%			0	1	14			28.6%
1993	35		22	9	31		88.6%		29.0%			2	2	35			25.7%
1994	39		17	7	24		61.5%		29.2%			1	0	25			28.0%
1995	47		18	12	30		63.8%		40.0%			0	0	30			40.0%
1996	47		14	10	24	3.2	51.1%		41.7%	14.0%		0	1	25			40.0%
1997		40	20	20	40	4.3		100.0%	50.0%	29.0%		0	5	45			44.4%
1998		40	21	20	41	3.2		102.5%	48.8%	19.0%	0.27	0	1	42			47.6%
1999		25	10	16	26	3.4		104.0%	61.5%	12.0%	0.23	1	0	27			59.3%
2000		25	17	10	27	3.6		108.0%	37.0%	24.0%	0.15	0	0	27			37.0%
2001		30	11	17	28	3.4		93.3%	60.7%	8.0%	0.41	0	0	28			60.7%
Total	258	160	174	132	306							8	11	325	0	0	
Mean	36.9	32.0	14.5	11.0	25.5	3.5	54.5%	101.6%	40.8%	17.7%	0.27	0.7	0.9	27.1			38.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 21a – Fillmore, Oak Creek, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002		7	1	4	5	2.4		71.4%	80.0%	0.0%	0.36	0	0	5	0	0	80.0%
2003		7	3	4	7	3.3		100.0%	57.1%	0.0%	0.17	0	0	7	0	0	57.1%
2004		10	4	1	5	3.2		50.0%	20.0%	0.0%	0.19	0	1	6	1	0	16.7%
2005	1	15	2	3	5	2.4		33.3%	60.0%	0.0%	0.10	0	0	5	0	0	60.0%
2006	10		2	2	4	4.0	40.0%		50.0%	50.0%	0.19	0	0	4	0	0	50.0%
2007	10		3	2	5	2.8	50.0%		40.0%	0.0%	0.06	0	0	5	0	0	40.0%
2008	10		2	2	4	2.5	40.0%		50.0%	0.0%	0.03	0	0	4	0	0	50.0%
Total	31	39	17	18	35							0	1	36	1	0	
Mean	7.8	9.8	2.4	2.6	5.0	2.9	43.3%	63.7%	51.0%	7.1%	0.16	0.0	0.1	5.1	0.1	0.0	50.5%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 21b – Fillmore, Pahvant, Utah 2002–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2002		20	9	8	17	2.6		85.0%	47.1%	0.0%	0.20	0	2	19	1	1	47.4%
2003	11	7	9	4	13	5.3	72.7%	85.7%	30.8%	33.3%	0.21	0	1	14	0	1	35.7%
2004	11	7	8	6	14	3.8	63.6%	100.0%	42.9%	10.0%	0.50	0	1	15	0	1	46.7%
2005	18	15	5	2	7	2.2	16.7%	26.7%	28.6%	0.0%	0.11	1	1	9	1	0	22.2%
2006	15		8	2	10	2.3	66.7%		20.0%	0.0%	0.10	0	1	11	1	0	18.2%
2007	10		5	3	8	2.7	80.0%		37.5%	14.3%	0.19	0	0	8	0	0	37.5%
2008	10		7	4	11	3.2	100.0%		36.4%	9.1%	0.26	0	0	11	0	0	36.4%
Total	75	49	51	29	80							1	6	87	3	3	
Mean	12.5	12.3	7.3	4.1	11.4	3.2	66.6%	74.3%	34.7%	9.5%	0.22	0.1	0.9	12.4	0.4	0.4	34.9%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 22 – Beaver, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	27		9	2	11		40.7%		18.2%			2	0	13			15.4%
1991	27		7	4	11		40.7%		36.4%			0	0	11			36.4%
1992	27		13	3	16		59.3%		18.8%			0	1	17			17.6%
1993	31		12	5	17		54.8%		29.4%			0	0	17			29.4%
1994	33		14	3	17		51.5%		17.6%			4	0	21			14.3%
1995	37		16	9	25		67.6%		36.0%			2	4	31			29.0%
1996	37		12	2	14	2.8	37.8%		14.3%	9.0%		0	1	15			13.3%
1997	45		11	15	26	3.5	57.8%		57.7%	14.0%		1	2	29			51.7%
1998	35		11	15	26	3.0	74.3%		57.7%	12.0%	0.32	0	0	26			57.7%
1999	25		10	2	12	3.7	48.0%		16.7%	25.0%	0.37	0	0	12			16.7%
2000	25		11	3	14	2.6	56.0%		21.4%	8.0%	0.30	1	0	15			20.0%
2001	25		9	5	14	4.5	56.0%		35.7%	23.0%	0.35	1	0	15			33.3%
2002	26		9	6	15	3.4	57.7%		40.0%	7.7%	0.32	0	2	17	1	1	41.2%
2003	25		7	5	12	4.8	48.0%		41.7%	25.0%	0.27	0	0	12	0	0	41.7%
2004	25		10	5	15	2.8	60.0%		33.3%	9.1%	0.33	0	0	15	0	0	33.3%
2005	19	15	10	8	18	3.1	52.6%	53.3%	44.4%	7.7%	0.22	0	1	19	0	1	47.4%
2006	19		9	9	18	4.4	94.7%		50.0%	22.2%	0.18	0	0	18	0	0	50.0%
2007	18		10	11	21	2.4	116.7%		52.4%	5.3%	0.26	0	0	21	0	0	52.4%
2008	15		8	6	14	3.5	80.0%		42.9%	7.7%	0.27	0	1	15	1	0	40.0%
Total	521	15	198	118	316							11	12	339	2	2	
Mean	27.4	15.0	10.4	6.2	16.6	3.4	60.8%	53.3%	35.0%	13.5%	0.29	0.6	0.6	17.8	0.3	0.3	33.7%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 23 – Monroe, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	27		7	4	11		40.7%		36.4%			0	0	11			36.4%
1991	27		11	6	17		63.0%		35.3%			0	0	17			35.3%
1992	27		8	7	15		55.6%		46.7%			0	0	15			46.7%
1993	34		10	8	18		52.9%		44.4%			2	0	20			40.0%
1994	37		18	6	24		64.9%		25.0%			5	2	31			19.4%
1995	34		11	5	16		47.1%		31.3%			0	0	16			31.3%
1996	24		8	6	14	3.2	58.3%		42.9%	8.0%		2	1	17			35.3%
1997	40		9	8	17	3.8	42.5%		47.1%	28.0%		2	1	20			40.0%
1998	30		11	4	15	2.6	50.0%		26.7%	0.0%	0.31	5	0	20			20.0%
1999	25		5	2	7	2.7	28.0%		28.6%	0.0%	0.42	0	0	7			28.6%
2000	15		5	4	9	2.6	60.0%		44.4%	0.0%	0.21	0	0	9			44.4%
2001	15		4	2	6	4.4	40.0%		33.3%	40.0%	0.16	0	0	6			33.3%
2002	5		2	1	3	2.3	60.0%		33.3%	0.0%	0.21	0	0	3	0	0	33.3%
2003	5		4	0	4	2.7	80.0%		0.0%	0.0%	0.30	0	0	4	0	0	0.0%
2004	5		2	3	5	3.5	100.0%		60.0%	0.0%	0.22	2	2	9	2	2	55.6%
2005	6		6	0	6	2.0	100.0%		0.0%	0.0%	0.22	0	1	7	0	1	14.3%
2006	4		3	1	4	3.0	100.0%		25.0%	0.0%	0.26	1	4	9	2	3	44.4%
2007	5		3	0	3	4.3	60.0%		0.0%	33.3%	0.38	1	9	13	3	5	38.5%
2008	6		3	1	4	2.5	66.7%		25.0%	0.0%	0.44	0	2	6	1	1	33.3%
Total	371		130	68	198							20	22	240	8	12	
Mean	19.5		6.8	3.6	10.4	3.0	61.6%		30.8%	8.4%	0.28	1.1	1.2	12.6	1.1	1.7	33.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 24 – Mt. Dutton, Utah 1996–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	15		5	3	8	3.0	53.3%		37.5%	0.0%		0	1	9			33.3%
1997	20		8	3	11	4.3	55.0%		27.3%	18.0%		1	0	12			25.0%
1998	20		2	6	8	4.8	40.0%		75.0%	25.0%	0.45	0	0	8			75.0%
1999	15		2	3	5	3.4	33.3%		60.0%	0.0%	0.11	0	0	5			60.0%
2000	15		1	5	6	3.2	40.0%		83.3%	0.0%	0.13	0	0	6			83.3%
2001	10		3	0	3	4.3	30.0%		0.0%	33.0%	0.60	0	0	3			0.0%
2002	5		1	2	3	4.0	60.0%		66.7%	0.0%	0.18	0	0	3	0	0	66.7%
2003	5		3	1	4	5.0	80.0%		25.0%	0.0%	0.57	0	0	4	0	0	25.0%
2004	10		1	1	2	4.0	20.0%		50.0%	0.0%	0.12	2	1	5	2	1	40.0%
2005		10	5	5	10	3.7		100.0%	50.0%	20.0%	0.16	2	1	13	1	1	46.2%
2006	10		5	5	10	3.4	100.0%		50.0%	11.1%	0.23	1	0	11	0	0	45.5%
2007	10		5	2	7	2.9	70.0%		28.6%	14.3%	0.24	3	0	10	1	2	40.0%
2008	11		5	6	11	2.4	100.0%		54.5%	0.0%	0.49	0	0	11	0	0	54.5%
Total	146	10	46	42	88							9	3	100	4	4	
Mean	12.2	10.0	3.5	3.2	6.8	3.7	56.8%	100.0%	46.8%	9.3%	0.30	0.7	0.2	7.7	0.6	0.6	45.7%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season
Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 25a – Plateau, Fish Lake, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	30		10	6	16		53.3%		37.5%			3	3	22			27.3%
1991	30		13	4	17		56.7%		23.5%			6	3	26			15.4%
1992	30		14	7	21		70.0%		33.3%			2	3	26			26.9%
1993	36		23	7	30		83.3%		23.3%			7	3	40			17.5%
1994	36		12	11	23		63.9%		47.8%			3	2	28			39.3%
1995	43		11	16	27		62.8%		59.3%			4	8	39			41.0%
1996	40		15	8	23	3.2	57.5%		34.8%	19.0%		4	0	27			29.6%
1997	45		11	20	31	4.2	68.9%		64.5%	21.0%		4	1	36			55.6%
1998	25		6	3	9	2.5	36.0%		33.3%	16.0%	0.32	1	0	10			30.0%
1999	15		6	3	9	3.1	60.0%		33.3%	4.0%	0.32	0	0	9			33.3%
2000	15		9	2	11	2.8	73.3%		18.2%	8.0%	0.33	0	2	13			15.4%
2001	15		5	5	10	3.8	66.7%		50.0%	11.0%	0.28	0	1	11			45.5%
2002		8	5	6	11	2.1		137.5%	54.5%	0.0%	0.28	3	1	15	1	2	53.3%
2003	6	4	6	2	8	2.0	66.7%	100.0%	25.0%	0.0%	0.32	0	3	11	0	3	45.5%
2004	5	4	5	3	8	3.3	20.0%	175.0%	37.5%	16.7%	0.25	0	1	9	1	0	33.3%
2005	6	8	7	5	12	1.8	66.7%	100.0%	41.7%	0.0%	0.12	0	1	13	1	0	38.5%
2006	11		7	4	11	2.7	100.0%		36.4%	0.0%	0.13	0	1	12	0	1	41.7%
2007	11		6	3	9	3.0	81.8%		33.3%	0.0%	0.29	0	3	12	1	0	25.0%
2008	10		6	3	9	2.7	80.0%		33.3%	11.1%	0.16	0	1	10	0	1	40.0%
Total	409	24	177	118	295							37	37	369	4	7	
Mean	22.7	6.0	9.3	6.2	15.5	2.9	64.9%	128.1%	37.9%	8.2%	0.25	1.9	1.9	19.4	0.6	1.0	34.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 25b – Plateau, Thousand Lakes, Utah 1994–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1994	10		2	5	7		70.0%		71.4%			0	0	7			71.4%
1995	12		5	1	6		50.0%		16.7%			0	2	8			12.5%
1996	12		2	2	4	4.3	33.3%		50.0%	19.0%		0	0	4			50.0%
1997		10	1	7	8	4.4		80.0%	87.5%	21.0%		0	0	8			87.5%
1998		10	6	4	10	3.7		100.0%	40.0%	16.0%	0.32	0	0	10			40.0%
1999		10	4	4	8	3.1		80.0%	50.0%	4.0%	0.32	0	0	8			50.0%
2000		5	3	1	4	2.8		80.0%	25.0%	8.0%	0.33	0	0	4			25.0%
2001		5	3	2	5	6.3		100.0%	40.0%	25.0%	0.25	0	1	6			33.3%
2002		4	2	2	4	3.0		100.0%	50.0%	0.0%	0.18	0	0	4	0	0	50.0%
2003		4	2	2	4	4.0		100.0%	50.0%	0.0%		0	0	4	0	0	50.0%
2004		10	3	3	6	4.7		60.0%	50.0%	33.3%		0	0	6	0	0	50.0%
2005		10	3	2	5	3.6		50.0%	40.0%	20.0%	0.06	0	0	5	0	0	40.0%
2006	10		3	0	3	2.5	30.0%		0.0%	0.0%	0.10	0	0	3	0	0	0.0%
2007	11		3	1	4	1.3	36.4%		25.0%	0.0%	0.00	0	1	5	0	1	40.0%
2008	7		1	0	1		14.3%		0.0%		0.20	0	0	1	0	0	0.0%
Total	62	68	43	36	79							0	4	83	0	1	
Mean	10.3	7.6	2.9	2.4	5.3	3.6	39.0%	83.3%	39.7%	12.2%	0.20	0.0	0.3	5.5	0.0	0.1	40.0%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 25c – Plateau, Boulder, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	10		1	1	2		20.0%		50.0%			0	0	2			50.0%
1991	10		3	1	4		40.0%		25.0%			0	2	6			16.7%
1992	10		3	1	4		40.0%		25.0%			0	0	4			25.0%
1993	13		4	4	8		61.5%		50.0%			0	0	8			50.0%
1994	15		2	2	4		26.7%		50.0%			0	0	4			50.0%
1995	18		5	1	6		33.3%		16.7%			1	2	9			11.1%
1996	20		8	5	13	4.2	65.0%		38.5%	19.0%		1	1	15			33.3%
1997		20	11	16	27	4.1		135.0%	59.3%	21.0%		3	4	34			47.1%
1998		20	11	11	22	3.2		110.0%	50.0%	16.0%	0.32	1	0	23			47.8%
1999		15	6	6	12	3.1		80.0%	50.0%	4.0%	0.32	0	0	12			50.0%
2000		10	7	4	11	2.8		110.0%	36.4%	8.0%	0.33	0	0	11			36.4%
2001		10	4	7	11	3.3		110.0%	63.6%	13.0%	0.46	0	0	11			63.6%
2002		8	6	3	9	3.6		112.5%	33.3%	12.5%	0.27	1	0	10	0	1	40.0%
2003	10	4	4	3	7	2.7	30.0%	100.0%	42.9%	0.0%	0.57	0	1	8	0	1	50.0%
2004	18	4	5	9	14	3.6	55.6%	100.0%	64.3%	15.4%	0.43	3	0	17	1	2	64.7%
2005		15	11	4	15	2.4		100.0%	26.7%	0.0%	0.19	3	3	21	1	1	23.8%
2006	14		11	4	15	3.8	107.1%		26.7%	8.3%	0.28	0	0	15	0	0	26.7%
2007	14		6	4	10	2.6	71.4%		40.0%	10.0%	0.50	0	1	11	0	1	45.5%
2008	13		6	5	11	4.8	69.2%		45.5%	22.2%	0.19	0	1	12	0	1	50.0%
Total	165	106	114	91	205							13	15	233	2	7	
Mean	13.8	11.8	6.0	4.8	10.8	3.4	51.7%	106.4%	41.8%	11.5%	0.35	0.7	0.8	12.3	0.3	1.0	41.1%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 26 – Kaiparowits, Utah 1997–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1997		10	1	0	1	6.0		10.0%	0.0%	100.0%		1	0	2			0.0%
1998		10	2	0	2	4.0		20.0%	0.0%	0.0%	0.06	1	0	3			0.0%
1999		10	0	0	0			0.0%			0.13	1	0	1			0.0%
2000		10	1	0	1	1.5		10.0%	0.0%	0.0%	0.17	1	0	2			0.0%
2001		10	1	1	2	7.0		20.0%	50.0%	50.0%	0.63	0	0	2			50.0%
2002		10	0	1	1	1.0		10.0%	100.0%	0.0%	0.04	1	0	2	0	1	100.0%
2003		10	2	1	3	4.7		30.0%	33.3%	33.3%		0	0	3	0	0	33.3%
2004		10	1	0	1	1.0		10.0%	0.0%	0.0%		2	0	3	1	0	0.0%
2005		10	0	1	1			10.0%	100.0%		0.06	0	0	1	0	0	100.0%
2006		10	1	1	2	3.5		20.0%	50.0%	50.0%	0.21	0	0	2	0	0	50.0%
2007		10	0	1	1			10.0%	100.0%			0	0	1	0	0	100.0%
2008		7	0	1	1	2.0		14.3%	100.0%	0.0%	0.16	0	0	1	0	0	100.0%
Total		117	9	7	16							7	0	23	1	1	
Mean		9.8	0.8	0.6	1.3	3.4		13.7%	48.5%	25.9%	0.18	0.6	0.0	1.9	0.1	0.1	44.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 27 – Paunsaugunt, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	14		4	1	5		35.7%		20.0%			0	0	5			20.0%
1991	14		5	0	5		35.7%		0.0%			0	0	5			0.0%
1992	14		4	1	5		35.7%		20.0%			0	1	6			16.7%
1993	14		6	0	6		42.9%		0.0%			0	1	7			0.0%
1994	14		3	3	6		42.9%		50.0%			0	0	6			50.0%
1995	16		1	1	2		12.5%		50.0%			0	0	2			50.0%
1996	20		10	6	16	3.1	80.0%		37.5%	0.0%		2	1	19			31.6%
1997		12	8	5	13	4.2		108.3%	38.5%	33.0%		3	0	16			31.3%
1998		12	9	5	14	2.8		116.7%	35.7%	8.0%	0.09	0	1	15			33.3%
1999		10	5	3	8	4.9		80.0%	37.5%	29.0%	0.20	0	0	8			37.5%
2000		10	9	3	12	3.3		120.0%	25.0%	8.0%	0.18	0	1	13			23.1%
2001		10	7	3	10	2.7		100.0%	30.0%	10.0%	0.55	2	1	13			23.1%
2002		10	4	7	11	4.2		110.0%	63.6%	22.2%	0.16	1	1	13	1	1	61.5%
2003	12	5	6	4	10	4.3	50.0%	80.0%	40.0%	50.0%	0.36	0	1	11	0	1	45.5%
2004	12	5	2	4	6	4.8	33.3%	40.0%	66.7%	40.0%	0.10	1	0	7	1	0	57.1%
2005	11	5	2	0	2	3.0	18.2%	0.0%	0.0%	0.0%	0.02	1	0	3	0	0	0.0%
2006	8		2	2	4	3.7	50.0%		50.0%	0.0%	0.13	0	0	4	0	0	50.0%
2007	7		3	3	6	2.5	85.7%		50.0%	0.0%	0.26	0	1	7	0	1	57.1%
2008	9		2	1	3	1.0	33.3%		33.3%	0.0%	0.26	0	0	3	0	0	33.3%
Total	165	79	92	52	144							10	9	163	2	3	
Mean	12.7	8.8	4.8	2.7	7.6	3.4	42.8%	83.9%	34.1%	15.4%	0.21	0.5	0.5	8.6	0.3	0.4	32.7%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 28 – Panguitch Lake, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	14		3	3	6		42.9%		50.0%			1	0	7			42.9%
1991	14		4	2	6		42.9%		33.3%			0	0	6			33.3%
1992	14		3	1	4		28.6%		25.0%			0	0	4			25.0%
1993	14		9	3	12		85.7%		25.0%			0	1	13			23.1%
1994	14		6	4	10		71.4%		40.0%			0	0	10			40.0%
1995	17		8	5	13		76.5%		38.5%			0	0	13			38.5%
1996	20		7	7	14	2.6	70.0%		50.0%	0.0%		0	0	14			50.0%
1997	20		10	5	15	2.9	75.0%		33.3%	7.0%		0	2	17			29.4%
1998	20		5	7	12	3.5	60.0%		58.3%	33.0%	0.44	3	2	17			41.2%
1999	15		5	5	10	3.3	66.7%		50.0%	0.0%	0.51	1	0	11			45.5%
2000	15		7	2	9	3.6	60.0%		22.2%	25.0%	0.33	0	0	9			22.2%
2001		10	6	4	10	2.8		100.0%	40.0%	10.0%	0.77	2	0	12			33.3%
2002		13	6	9	15	3.6		115.4%	60.0%	21.4%	0.27	0	0	15	0	0	60.0%
2003	12	6	7	6	13	2.9	66.7%	83.3%	46.2%	0.0%	0.19	2	2	17	2	2	47.1%
2004	13	6	7	10	17	3.6	84.6%	100.0%	58.8%	21.4%	0.50	0	0	17	0	0	58.8%
2005	11	8	7	4	11	2.8	36.4%	87.5%	36.4%	11.1%	0.31	0	1	12	1	0	33.3%
2006	13		9	5	14	3.3	107.7%		35.7%	0.0%	0.29	0	0	14	0	0	35.7%
2007	12		8	6	14	2.6	116.7%		42.9%	7.7%	0.25	1	1	16	2	0	37.5%
2008	11		8	3	11	3.4	100.0%		27.3%	10.0%	0.38	0	0	11	0	0	27.3%
Total	249	43	125	91	216							10	9	235	5	2	
Mean	14.6	8.6	6.6	4.8	11.4	3.1	70.1%	97.2%	40.7%	11.3%	0.39	0.5	0.5	12.4	0.7	0.3	38.1%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 29 – Zion, Utah 1990–2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	25		5	5	10		40.0%		50.0%			0	0	10			50.0%
1991	25		10	1	11		44.0%		9.1%			0	0	11			9.1%
1992	25		7	1	8		32.0%		12.5%			0	0	8			12.5%
1993	25		10	6	16		64.0%		37.5%			5	1	22			27.3%
1994	33		2	4	6		18.2%		66.7%			1	0	7			57.1%
1995	38		17	8	25		65.8%		32.0%			1	2	28			28.6%
1996	50		12	9	21	3.5	42.0%		42.9%	19.0%		3	2	26			34.6%
1997	50		16	14	30	3.4	60.0%		46.7%	17.0%		0	2	32			43.8%
1998	50		15	9	24	2.9	48.0%		37.5%	13.0%	0.26	0	2	26			34.6%
1999	50		4	9	13	2.6	26.0%		69.2%	7.0%	0.26	0	0	13			69.2%
2000	40		7	6	13	3.1	32.5%		46.2%	14.0%	0.18	2	1	16			37.5%
2001	40		6	4	10	3.5	25.0%		40.0%	0.0%	0.29	1	2	13			30.8%
2002	15	15	9	14	23	3.4	60.0%	93.3%	60.9%	18.2%	0.26	5	1	29	2	1	51.7%
2003	15	15	9	10	19	3.5	33.3%	93.3%	52.6%	0.0%	0.76	4	0	23	1	3	56.5%
2004	1	28	4	14	18	2.9		64.3%	77.8%	8.3%	0.05	2	0	20	1	1	75.0%
2005		28	5	3	8	3.0		28.6%	37.5%	25.0%	0.15	0	2	10	1	1	40.0%
2006		28	10	7	17	3.1		60.7%	41.2%	13.3%	0.19	0	0	17	0	0	41.2%
2007		28	10	7	17	4.2		60.7%	41.2%	27.3%	0.17	1	1	19	0	1	42.1%
2008		28	6	8	14	3.0		50.0%	57.1%	0.0%	0.26	1	0	15	1	0	53.3%
Total	482	170	164	139	303							26	16	345	6	7	
Mean	32.1	24.3	8.6	7.3	15.9	3.2	42.2%	64.4%	45.2%	12.5%	0.26	1.4	0.8	18.2	0.9	1.0	41.8%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 30ab – Pine Valley, West Pine Valley / Commanche, Utah 1990–2007.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1990	40		14	1	15		37.5%		6.7%			1	2	18			5.6%
1991	40		7	5	12		30.0%		41.7%			0	1	13			38.5%
1992	40		7	6	13		32.5%		46.2%			0	1	14			42.9%
1993	40		11	4	15		37.5%		26.7%			0	1	16			25.0%
1994	42		10	10	20		47.6%		50.0%			0	0	20			50.0%
1995	50		12	6	18		36.0%		33.3%			0	0	18			33.3%
1996	50		11	6	17	2.6	34.0%		35.3%	0.0%		0	1	18			33.3%
1997		40	21	16	37	3.8		92.5%	43.2%	23.0%		0	2	39			41.0%
1998		40	13	16	29	2.3		72.5%	55.2%	14.0%	0.21	0	0	29			55.2%
1999		30	11	11	22	2.8		73.3%	50.0%	13.0%	0.41	0	0	22			50.0%
2000		30	11	8	19	2.6		63.3%	42.1%	11.0%	0.18	0	0	19			42.1%
2001		25	8	13	21	3.5		84.0%	61.9%	17.0%	0.32	0	0	21			61.9%
2002	20	10	7	4	11	2.5	40.0%	30.0%	36.4%	10.0%	0.18	2	1	14	0	1	35.7%
2003	20	10	11	8	19	2.7	30.0%	130.0%	42.1%	0.0%	0.10	0	0	19	0	0	42.1%
2004	20	10	10	5	15	2.7	35.0%	80.0%	33.3%	8.3%	0.18	0	1	16	0	1	37.5%
2005	18	10	6	4	10	2.0	38.9%	30.0%	40.0%	0.0%	0.16	0	1	11	0	0	36.4%
2006	15		11	5	16	3.5	106.7%		31.3%	13.3%	0.13	0	0	16	0	0	31.3%
2007	14		7	3	10	3.4	71.4%	30.0%	30.0%	11.1%	0.12	0	0	10	0	0	30.0%
Total	409	205	188	131	319							3	11	333	0	2	
Mean	31.5	22.8	10.4	7.3	17.7	2.9	44.4%	68.6%	39.2%	10.1%	0.20	0.2	0.6	18.5	0.0	0.3	38.4%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 30c – Pine Valley, Browse, Utah 1996–2007.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥ 6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
1996	15		4	1	5	3.0	33.3%		20.0%	0.0%		0	0	5			20.0%
1997		10	3	1	4	3.3		40.0%	25.0%	23.0%		0	0	4			25.0%
1998		10	3	4	7	3.8		70.0%	57.1%	14.0%	0.21	0	0	7			57.1%
1999		10	1	1	2	2.8		20.0%	50.0%	13.0%	0.41	0	0	2			50.0%
2000		10	1	0	1	2.6		10.0%	0.0%	11.0%	0.18	0	0	1			0.0%
2001		10	4	3	7	2.3		70.0%	42.9%	0.0%	0.25	0	0	7			42.9%
2002		10	2	0	2	1.5		20.0%	0.0%	0.0%	0.19	0	0	2	0	0	0.0%
2003		10	0	0	0			0.0%			0.00	0	0	0	0	0	
2004		10	2	1	3	1.7		30.0%	33.3%	0.0%		0	0	3	0	0	33.3%
2005		10	1	0	1	3.0		10.0%	0.0%	0.0%	0.27	0	0	1	0	0	0.0%
2006	8		2	3	5	3.5	62.5%		60.0%	0.0%	0.11	0	0	5	0	0	60.0%
2007	7		2	1	3	1.7	42.9%		33.3%	0.0%	0.02	0	0	3	0	0	33.3%
Total	30	90	25	15	40							0	0	40	0	0	
Mean	10.0	10.0	2.1	1.3	3.3	2.6	46.2%	30.0%	29.2%	5.5%	0.18	0.0	0.0	3.3	0.0	0.0	29.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Total cougar mortality for Unit 30 – Pine Valley, Utah 2008.

Year	Limited entry permits*	Harvest objective quota**	Sport male harvest	Sport female harvest	Total sport harvest	Mean age	Percent permits filled	Percent quota filled	Percent females	Percent ≥6 yrs old	Cougar treed per day	Wildlife services harvest	Other mortality	TOTAL HARVEST + MORTALITY	Non-hunt males	Non-hunt females	Total % females
2008	19		10	7	17	3.1	89.5%		41.2%	12.5%	0.23	0	0	17	0	0	41.2%
Total	19		10	7	17							0	0	17	0	0	
Mean	19.0		10.0	7.0	17.0	3.1	89.5%		41.2%	12.5%	0.23	0.0	0.0	17.0	0.0	0.0	41.2%

*Permits include all limited entry, conservation and convention permits.

**Harvest quota in limited entry units during the harvest quota season are the total number of limited entry permits minus the number of cougars harvested during the limited entry season

Other mortality includes DWR control, roadkill, poaching, found dead, etc.

Subunits were recombined in 2008.