

# UTAH FURBEARER ANNUAL REPORT 2008–2009



Publication No. 10-14



# UTAH FURBEARER ANNUAL REPORT 2008–2009

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Publication No. 10-14

Annual Performance Report for Federal Aid Project W-65-M, segment 57

State of Utah  
Department of Natural Resources  
DIVISION OF WILDLIFE RESOURCES

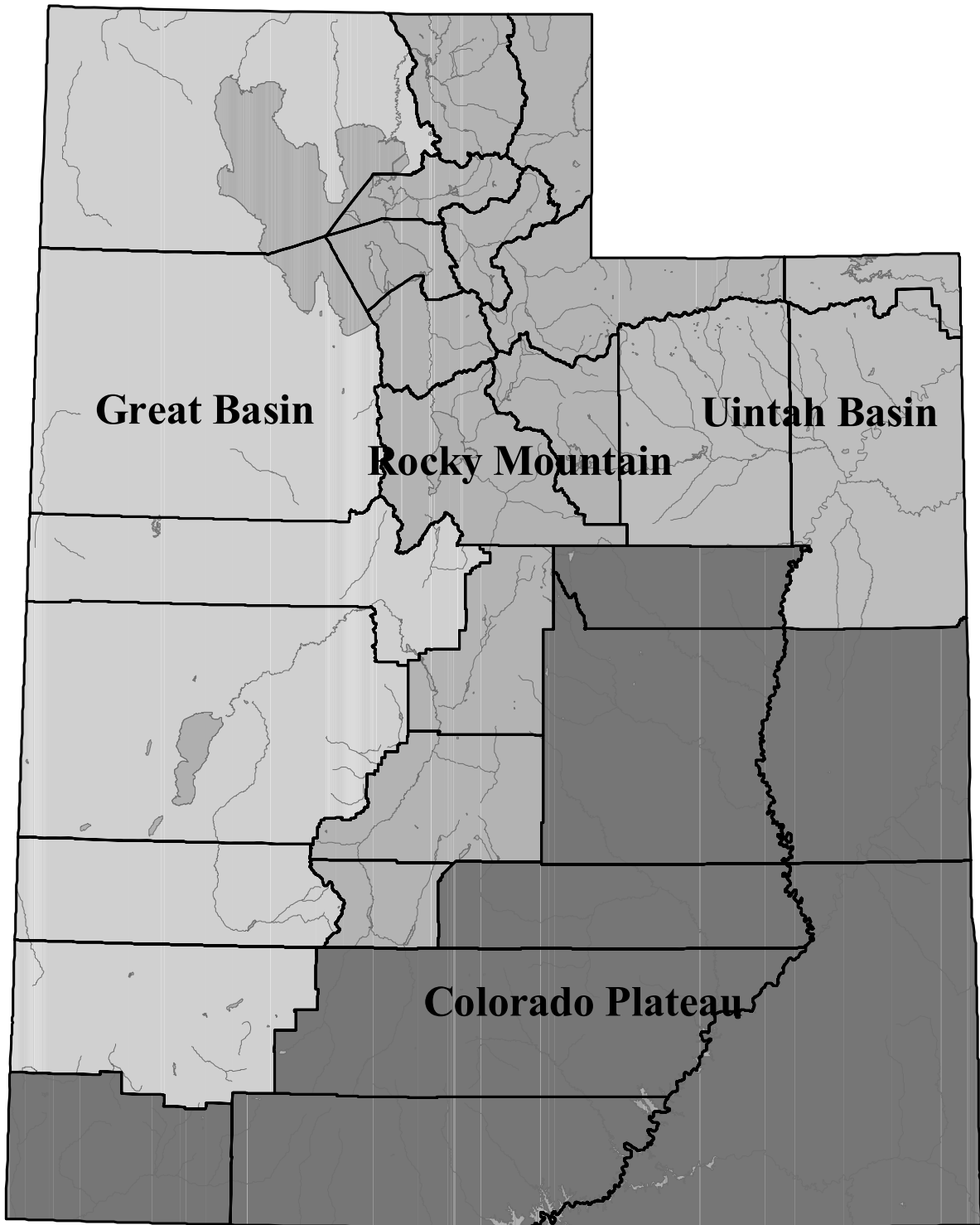
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**James F. Karpowitz**  
Director

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**UTAH FURBEARER MANAGEMENT UNITS**



## DEFINITIONS

**Incidental harvest:** Furbearers harvested in traps that were intended for a different furbearer species.

**Trap year:** Year during which a particular trapping season ended. For example, for simplification in figures, trap year 2009 corresponds to the 2008–2009 furbearer season as outlined in the 2008–2009 Furbearer Proclamation.

**Total trappers:** Number of furbearer license holders who trapped furbearers during a particular trap year. License holders who took furbearers by means other than trapping, including shooting or with the aid of dogs, are included in this figure except for bobcat, coyote, and raccoon.

**Total harvest:** Number of furbearers of a particular species taken by means of trapping and hunting by furbearer license holders. This figure does not include harvest of unprotected wildlife, such as coyote, muskrat, red fox, raccoon, or striped skunk, by persons who did not purchase a furbearer license, nor does it include harvest of furbearers taken for creating a nuisance or causing damage.

**Total set-days:** Number of traps set during the furbearer season for the trapping of a particular species, multiplied by the number of days these traps were in the field. This figure pertains only to trapping, and does not include days afield by furbearer hunters or pursuers.

**Pelt price:** Average price paid for pelts of a specific furbearer species harvested in Utah, obtained mainly from a summary of the prices bid at the Utah Trappers Association fur auction, as well as prices from a survey of registered furdealers buying pelts harvested in Utah.

**Wildlife Services harvest (coyote only):** Number of coyotes killed by USDA-APHIS Wildlife Services in a particular year. Prior to 2006-2007, Wildlife Services yearly harvest summaries applied to their fiscal year, which begins October 1 and ends September 30, although most harvest takes place during spring. Beginning in 2006-2007, Wildlife Services harvest is reported for the period July 1 to June 30 of the following year.

## INTRODUCTION

The furbearer harvest report presents furbearer harvest and trapper/hunter effort trends across the state of Utah, based on data collected from furbearer trappers and hunters. This report represents the furbearer portion of the Annual Performance Report for Federal Aid Project W-65-M, segment 57, grant agreement period October 1, 2008 through September 30, 2009. This Federal Aid project covers the 2008–2009 trapping seasons. Additionally, this report presents statewide trends since the early 1980s and population trend indicators for bobcats as well as the estimated economic value of Utah’s furbearer harvest each year. Furbearer harvest and trapper/hunter effort may be more driven by pelt price than by availability, so annual fur harvest should not be used as the sole means to assess/project population sizes.

### Bag Limits and Season Dates

Furbearers include badger, beaver, bobcat, gray fox, kit fox, mink, marten, ringtail, spotted skunk, and weasel, and a furbearer license is required to harvest any of these species, during the specified harvest season. An additional permit is required to harvest bobcat or marten. Coyote, muskrat, red fox, raccoon, and striped skunk are not under the jurisdiction of the Division, and/or are unprotected. Those species may be taken year-round without a license; therefore, results presented in this report do not include harvest by persons who did not purchase a furbearer license. It is prohibited to take black-footed ferret, fisher, lynx, otter, wolf, and wolverine. There are no bag limits for furbearers, except bobcats.

Furbearer season dates and bobcat possession limit, Utah 2008–2009 seasons.

Season	Bobcat possession limit	Season dates			
		Coyote, Red Fox, Muskrat, Raccoon, Striped Skunk	Badger, Kit Fox, Gray Fox, Ringtail, Spotted Skunk, Weasel, Marten	Beaver and Mink	Bobcat
2008-2009	5	Year-round	10/04/08–2/08/09	10/04/08–4/12/09	11/12/08–2/08/09

## METHODS

### Furbearer Harvest Survey

In 2006, the Utah Division of Wildlife Resources switched from a mail questionnaire to a telephone survey. Telephone surveys are thought to be better than mail questionnaire because they achieve a more random sample, thus, reducing the response bias caused by trappers who did not harvest animals not returning their questionnaires. Telephone surveys also allow you contact a smaller number of license holders to achieve the same level of accuracy. The accuracy of that phone survey is dependent upon the following assumptions: (1) a random sample was achieved (i.e. there was no response bias by those who harvested successfully versus those who did not), (2) respondents recorded or remembered data accurately and did not guess or lie, and (3) respondents clearly understood the questions.

For the telephone survey, a random sample with a target sample size of at least 25% of all license holders was used to determine furbearer harvest and effort. The results of those surveys were projected for all license holders by dividing the total number of furbearer licensees for that trap year by the number of telephone survey responses. For bobcats, we determined the total number of bobcat trappers/hunters that were surveyed, and this number was projected by the total number of furbearer trappers/hunters who purchased one or more bobcat permits. For bobcats and martens, it was required by proclamation that the pelts of animals harvested in Utah be brought to a Division office or officer to have a permanent tag attached and to surrender the lower jaw. Bobcat and marten harvest data presented in this report, such as county of kill and sex of harvest, were collected at this time; as such, this information is not projected. Additional information on bobcat harvest, such as harvest effort by method, number of sets, and number of days was determined by telephone survey. Due to the small number of marten trappers in Utah, we did not attempt to survey marten trappers. Instead, since a separate permit is required to trap marten, we assumed that all those who purchased a marten permit attempted to trap marten.

In an effort to obtain information on how many furbearers of a given species were taken incidentally, furbearer trappers were asked the question “Did you harvest any (species) in traps that were set for a different species, and, if so, how many?” Because survey respondents gave information on number of traps set and number of days spent trapping for furbearers taken incidentally, these furbearers were included in the total harvest and harvest effort statistics.

### **Data Analysis**

When dealing with survey data, it is not uncommon to have outliers (i.e., data that do not fall within realistic values). A repeated problem in the furbearer survey was having a trapper report a high harvest with little trap effort (i.e. 10 furbearers harvest with 1 trap set for 1 day). For this situation we assumed that the total harvest was reported correctly, but the trapping effort was either reported or recorded erroneously. By doing so, these data records were included in the total statewide harvest of a furbearer species, but the total statewide number of traps set, trapping days and set-days could not be determined. To obtain estimates of furbearers/trapper, set-days/furbearer, and furbearers/1000 set-days, we used the remaining data points, excluding outliers.

Because some furbearer species in Utah are rare or not highly sought after by trappers, it is not possible to achieve sufficient sample sizes for these species to make valid statistical inferences. Although the trends for statewide harvest and effort are still valid, at the county level, the harvest and effort estimates have low precision and are likely inaccurate. As such, results by county are only reported for species with a sample size  $\geq 20$ .

### **Bobcat Age Determination and Other Data Methods**

To determine age structure of the bobcat harvest, a canine tooth from each bobcat jaw was sectioned, and aged using cementum annuli by Matson’s Lab in Milltown, Montana. Survival rates were estimated using the Chapman-Robson estimator. Pelt prices were obtained mainly from a summary of the prices bid at the Utah Trappers Association fur auction, as well as from a survey of registered furdealers buying pelts harvested in Utah.

## **RESULTS**

### **License Sales and General Survey Results**

Beginning December 1, 2005, furbearer licenses were valid for 365 days from the date of purchase. Because of this change, we used the 365-day period of May 1 to April 30 to determine the total number of furbearer licenses sold for the furbearer season. Furbearer license sales continued to increase, with a total of 2,102 sold for the 2008-2009 season. The percentage of license holders who bought a furbearer license but did not attempt to harvest furbearers during the season also increased (35% in 2008-2009). The number of trappers afield in 2008-2009 was 1,371, which was slightly above the 10-yr average of 1,284.

### **Furbearer Harvest Statistics**

Total estimated furbearer harvest for 2008–2009 was 18,999. Harvest of badger, bobcat, beaver, kit fox, red fox, marten, mink, muskrat, raccoon, ringtail, and weasel were all below the 10-yr average, while coyote, gray fox, and skunk harvest were above. The number of trappers attempting to harvest a given furbearer species was up for bobcat, gray fox, kit fox, marten, muskrat, spotted skunk, and weasel, compared to 2007.

### **Pelt Price and Economic Value**

The estimated economic value of Utah's furbearer harvest in 2009 was \$661,214, which was the lowest it had been in 6 years. The drop was primarily due to decreased pelt price for bobcats, coupled with the decreased bobcat harvest. Average pelt price was also down from the previous year for every furbearer species in 2008.



Summary of furbearer license sales and survey responses, Utah 1983–2009.

Trap year	Furbearer licenses sold			License holders sampled		Projection factor	% license holders not afield
	Resident	Nonresident	Total	Total	Percent (%)		
1982–1983	—	—	1325	664	50.1	—	—
1983–1984	—	—	1367	616	45.1	—	—
1984–1985	—	—	1491	806	54.1	—	—
1985–1986	—	—	1424	680	47.8	—	—
1986–1987	—	—	1342	585	43.6	—	—
1987–1988	—	—	1576	731	46.4	—	—
1988–1989	—	—	1318	721	54.7	—	—
1989–1990	—	—	1084	597	55.1	—	—
1990–1991	—	—	949	513	54.1	—	30.0
1991–1992	—	—	1210	689	56.9	—	2.2
1992–1993	—	—	1426	857	60.1	—	16.0
1993–1994	—	—	1315	—	—	—	—
1994–1995	—	—	1287	585	45.5	—	7.0
1995–1996	—	—	1240	683	55.1	—	21.2
1996–1997	—	—	1131	606	53.6	—	25.4
1997–1998	—	—	1190	498	41.8	—	19.5
1998–1999	—	—	1191	395	33.2	—	19.8
1999–2000	1172	39	1211	458	37.8	2.64	11.6
2000–2001	1204	20	1224	420	34.3	2.91	12.4
2001–2002	956	21	977	302	30.9	3.24	11.6
2002–2003	1409	40	1449	514	35.5	2.82	16.3
2003–2004	1729	47	1776	597	33.6	2.97	16.9
2004–2005	1830	65	1895	615	32.5	3.08	18.2
2005–2006	1631	57	1688	260	15.4	6.49	27.7
2006–2007	2029	81	2110	262	12.4	8.05	26.7
2007–2008	2085	55	2140	563	26.3	3.80	31.8
2008–2009	2045	57	2102	750	35.7	2.80	34.8
Average	1609	48	1657	474	28.6	3.50	20.8

\*Starting in 2006, a telephone survey replaced the mail questionnaire.

Statewide furbearer harvest estimates by species, Utah 2000–2009.

Species	Trap year										Average 2000–2009
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	
Badger	433	450	275	541	453	432	120	*	275	287	363
Beaver	1830	1992	1689	1720	1781	2664	2239	*	745	1165	1758
Bobcat	1430	2008	1866	2176	2027	1954	2926	3377	2437	2062	2226
Coyote	3510	4966	4354	5446	6660	7173	4229	*	7637	6945	5658
Gray fox	925	1159	1326	1942	1749	942	603	*	1093	1747	1276
Kit fox	183	161	171	302	638	259	183	*	39	104	227
Red fox	4900	5330	3192	4399	4639	4674	1874	*	1130	872	3446
Marten	0	6	22	5	0	0	12	7	21	4	8
Mink	419	468	284	268	673	317	222	*	186	242	342
Muskrat	21086	10376	14979	6334	10777	15016	824	*	1665	1198	9139
Raccoon	5317	5678	3785	4001	5634	6405	3298	*	3990	2368	4497
Ringtail	101	118	101	115	96	127	103	*	108	59	103
Skunk (total)	2730	3857	1798	1732	2305	4264	—	*	—	—	2300
Striped skunk	—	—	—	—	—	—	1043	*	848	1697	1196
Spotted skunk	—	—	—	—	—	—	144	*	45	238	142
Weasel	66	155	13	3	58	85	190	*	15	11	66
Total	42930	36724	33855	28984	37490	44312	18010	*	20234	18999	31282

Prior to the 2005–2006 trap season, spotted skunk and striped skunk harvest were not split out.

\*Due to errors in the 2006-2007 furbearer season telephone survey, harvest and effort data is unavailable for all species but bobcat and marten.

Statewide furbearer trapping harvest statistics by species, Utah 2009.

Species	Trappers afield	Trap harvest	Set-days	Furbearers / trapper	Set-days / furbearer	Furbearers / 1000 set-days	Pelt price (\$)
Badger	146	287	80871	2.0	281.8	3.5	17.41
Beaver	121	1165	36536	9.6	31.4	31.9	13.15
Bobcat	1630	1796	1258813	1.1	700.9	1.4	238.69
Coyote	440	3963	381739	9.0	96.3	10.4	10.86
Gray fox	238	1747	192782	7.3	110.4	9.1	17.07
Kit fox	48	104	32683	2.2	314.3	3.2	7.61
Red fox	339	872	227587	2.6	261.0	3.8	17.98
Marten	28	4	—	—	—	—	—
Mink	36	242	10548	6.7	43.6	22.9	5.96
Muskrat	98	1198	75114	12.2	62.7	15.9	2.49
Raccoon	216	1639	94415	7.6	57.6	17.4	6.21
Ringtail	31	59	36618	1.9	620.6	1.6	10.70
Striped skunk	143	1697	61563	11.9	36.3	27.6	3.15
Spotted skunk	67	238	14179	3.6	59.6	16.8	8.00
Weasel	14	11	245	0.8	22.3	44.9	—
Total	1371*	15022	—	—	—	—	—

\*Total trappers afield for the entire season. This is not the sum of the column because trappers could trap multiple species.

Statewide furbearer non-trapping harvest by species, Utah 2009.

Species	Hunters afield	Non-trap harvest	Hunting days	Furbearers / hunter	Days / furbearer
Bobcat	438	266	7360	0.6	27.7
Coyote	378	2982	10871	7.9	3.6
Raccoon	67	729	1429	10.9	2.0
Total	883*	3977	—	—	—

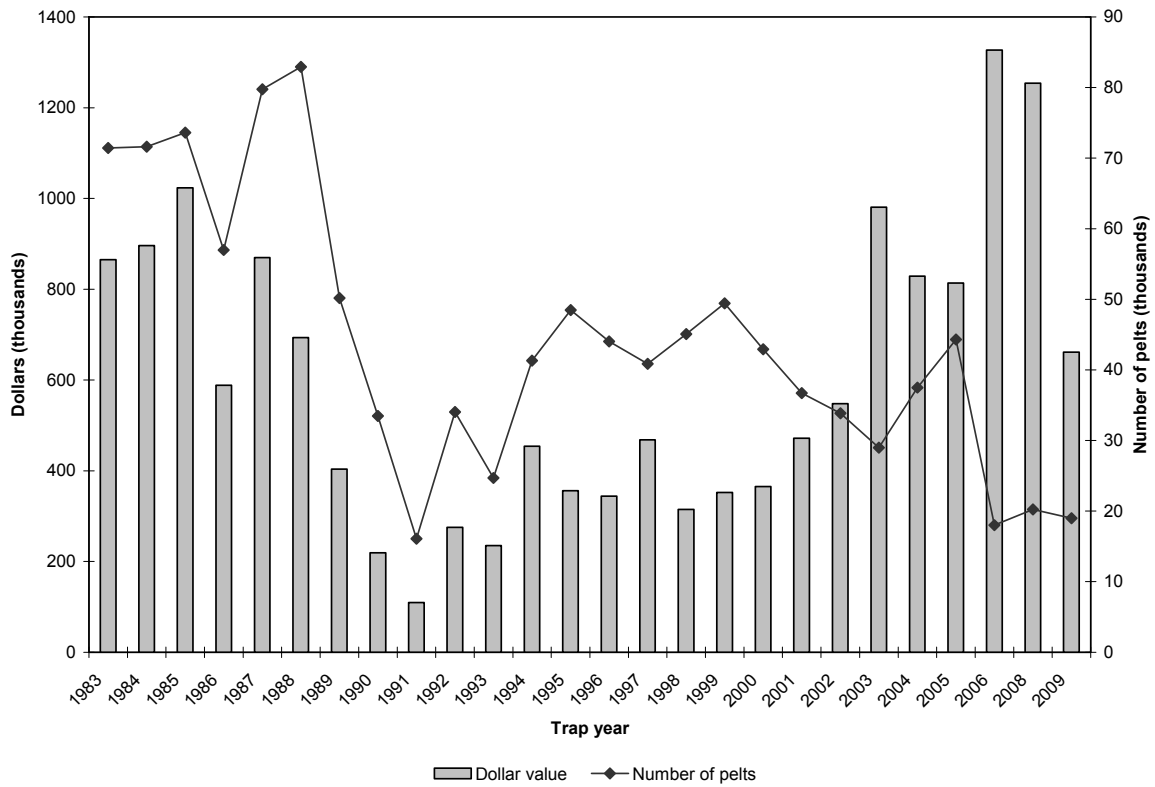
\*Total hunters afield for the entire season. This is not the sum of the column because hunters could hunt multiple species.

Number of furbearers harvested in traps set for other species, Utah 2009.

Species	Incidental harvest*	Total harvest	% incidental harvest
Badger	143	287	49.8
Beaver	0	1165	0.0
Bobcat	295	2062	14.3
Coyote	1020	6945	14.7
Gray fox	715	1747	40.9
Kit fox	64	104	61.5
Red fox	768	872	88.1
Marten	0	4	0.0
Mink	101	242	41.7
Muskrat	137	1198	11.4
Raccoon	916	2368	38.7
Ringtail	28	59	47.5
Striped skunk	810	1697	47.7
Spotted skunk	89	238	37.4
Weasel	8	11	72.7
Total	5094	18999	26.8

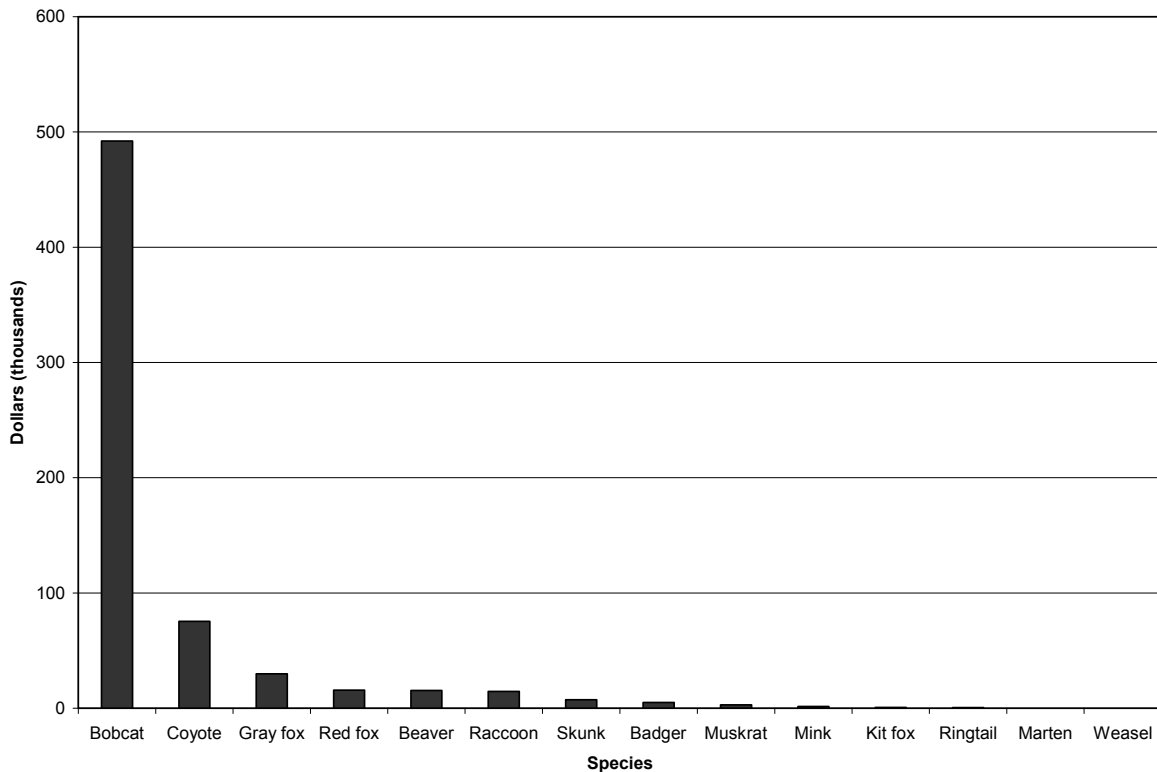
\*Incidental harvest is defined as species caught in traps intended for other species.

Estimated economic value of Utah's furbearer harvest, Utah 1983–2009.



\*No data available for 2007.

Proportional economic value of Utah's furbearer harvest by species, Utah 2009.



Economic value (in dollars) of furbearer species in Utah's annual furbearer harvest, Utah 1983–2009.

Trap year	Economic value (\$)														Total economic value (\$)
	Badger	Beaver	Bobcat	Coyote	Gray fox	Kit fox	Red fox	Marten	Mink	Muskrat	Raccoon	Ringtail	Skunk	Weasel	
1982–1983	5945	20418	434340	203240	37352	7244	16391	10	4394	119096	10526	1430	4620	59	865064
1983–1984	4794	25211	498960	152358	34353	8369	14869	1680	3460	136033	11105	1497	3597	0	896285
1984–1985	6794	43796	511464	193809	48147	7272	32220	288	4948	133589	18208	794	22126	56	1023511
1985–1986	1964	47463	301410	95322	21147	4568	21386	2783	5022	72903	13751	433	0	0	588152
1986–1987	3239	93684	316416	166417	36848	5415	49262	565	8802	157919	30439	746	0	185	869938
1987–1988	2772	69184	250635	107590	35779	5751	34765	2000	12703	144058	24645	643	2524	250	693300
1988–1989	1943	27264	230282	27104	14837	4488	16070	310	9129	46760	23932	1060	290	23	403492
1989–1990	1749	40991	85986	28913	5825	1164	17550	0	7018	15039	14242	350	387	8	219223
1990–1991	1250	10066	45849	20892	2060	869	12636	0	3437	6463	5375	347	194	9	109446
1991–1992	2015	13338	100672	65100	2762	520	39194	0	4924	31275	10729	708	4148	6	275390
1992–1993	2308	7399	105390	57740	2988	821	31635	0	2850	13715	4757	425	4887	8	234924
1993–1994	1709	16888	148962	128971	8244	1412	74511	0	3970	42502	15768	259	10768	158	454120
1994–1995	4555	32270	90536	65890	7417	3425	67159	0	2933	49362	18332	1019	13359	20	356277
1995–1996	2904	20502	71241	67722	8818	1363	74399	0	5502	54883	23516	947	11622	613	344032
1996–1997	2888	27474	127995	75238	4257	1097	74710	0	2946	83902	56444	537	10356	96	467939
1997–1998	1786	39328	75138	34862	3019	336	42345	0	1958	54083	49790	170	11878	85	314778
1998–1999	5393	27642	116859	46840	6055	1228	50120	43	2453	37878	38437	575	18297	182	352002
1999–2000	5646	20093	118175	67181	6124	531	69531	0	2543	21086	30147	710	23205	—	364973
2000–2001	7731	20557	187868	71461	9272	987	90184	—	2303	16394	29298	708	33517	1318	471598
2001–2002	4290	18326	275534	70404	15355	1833	78140	—	1477	38945	30431	1039	12208	—	547983
2002–2003	7428	16288	588238	177649	24217	1643	124008	—	555	10071	22486	598	7344	14	980538
2003–2004	8480	25112	411826	171428	18959	3432	83827	0	5384	16920	59889	656	23050	0	828964
2004–2005	5901	37056	433104	144177	13009	2326	88152	0	2847	23575	41889	1412	19785	247	813480
2005–2006	1802	39742	1049147	128773	14562	1998	45632	—	2213	3271	32419	959	6374	—	1326894
2007–2008	4970	13037	946596	166006	42838	307	24200	—	1736	5067	43288	1604	4375	45	1254069
2008–2009	4996	15319	492186	75399	29816	791	15676	—	1442	2988	14713	631	7256	—	661214
Average	4048	29556	308262	100403	17464	2661	49560	384	4113	51453	25945	779	9853	154	561342

Economic value was determined by multiplying average pelt price by total harvest for a given species.

Species with missing values contributed to Utah's annual furbearer harvest but were not included in the economic value estimate due to missing average pelt price or harvest data. No data was available for 2006-2007. From 2001 to 2005, average striped skunk pelt price was used to calculate all skunk (spotted and striped) economic value.

## **HARVEST BY SPECIES**

# BOBCAT

Statewide bobcat trapping harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Trapping harvest	Set-days	Bobcats / trapper	Set-days / bobcat	Bobcats / 1000 set-days	Pelt price (\$)
1982–1983	1145	2540	469979	2.2	185.0	5.4	171.00
1983–1984	1050	2640	401841	2.5	152.2	6.6	189.00
1984–1985	1253	2532	559480	2.0	221.0	4.5	202.00
1985–1986	1083	1530	411493	1.4	268.9	3.7	197.00
1986–1987	1036	1024	224778	1.0	219.5	4.6	309.00
1987–1988	1108	1023	252680	0.9	247.0	4.0	245.00
1988–1989	941	1042	175990	1.1	168.9	5.9	221.00
1989–1990	1167	843	142360	0.7	168.9	5.9	102.00
1990–1991	542	527	76218	1.0	144.6	6.9	87.00
1991–1992	726	968	118293	1.3	122.2	8.2	104.00
1992–1993	827	1171	139949	1.4	119.5	8.4	90.00
1993–1994	900	1256	191367	1.4	152.4	6.6	118.60
1994–1995	914	1293	210522	1.4	162.8	6.1	70.02
1995–1996	749	896	108594	1.2	121.2	8.3	79.51
1996–1997	615	866	138899	1.4	160.4	6.2	147.80
1997–1998	619	1234	255147	2.0	206.8	4.8	60.89
1998–1999	1031	2092	633774	2.0	303.0	3.3	55.86
1999–2000	828	1430	238152	1.7	166.5	6.0	82.64
2000–2001	852	2008	399609	2.4	199.0	5.0	93.56
2001–2002	666	1866	342678	2.8	183.6	5.4	147.66
2002–2003	984	2176	593692	2.2	272.8	3.7	270.33
2003–2004	1133	2027	701383	1.8	346.0	2.9	203.17
2004–2005	1300	1954	462019	1.5	236.4	4.2	221.65
2005–2006	979	2625	757380	2.7	288.5	3.5	358.56
2006–2007	1017	3037	877870	3.0	289.1	3.5	197.53
2007–2008	985	2091	836519	2.1	400.1	2.5	388.43
2008–2009	1630	1796	1258813	1.1	700.9	1.4	238.69
Average	966	1648	406647	1.7	246.8	4.1	172.29

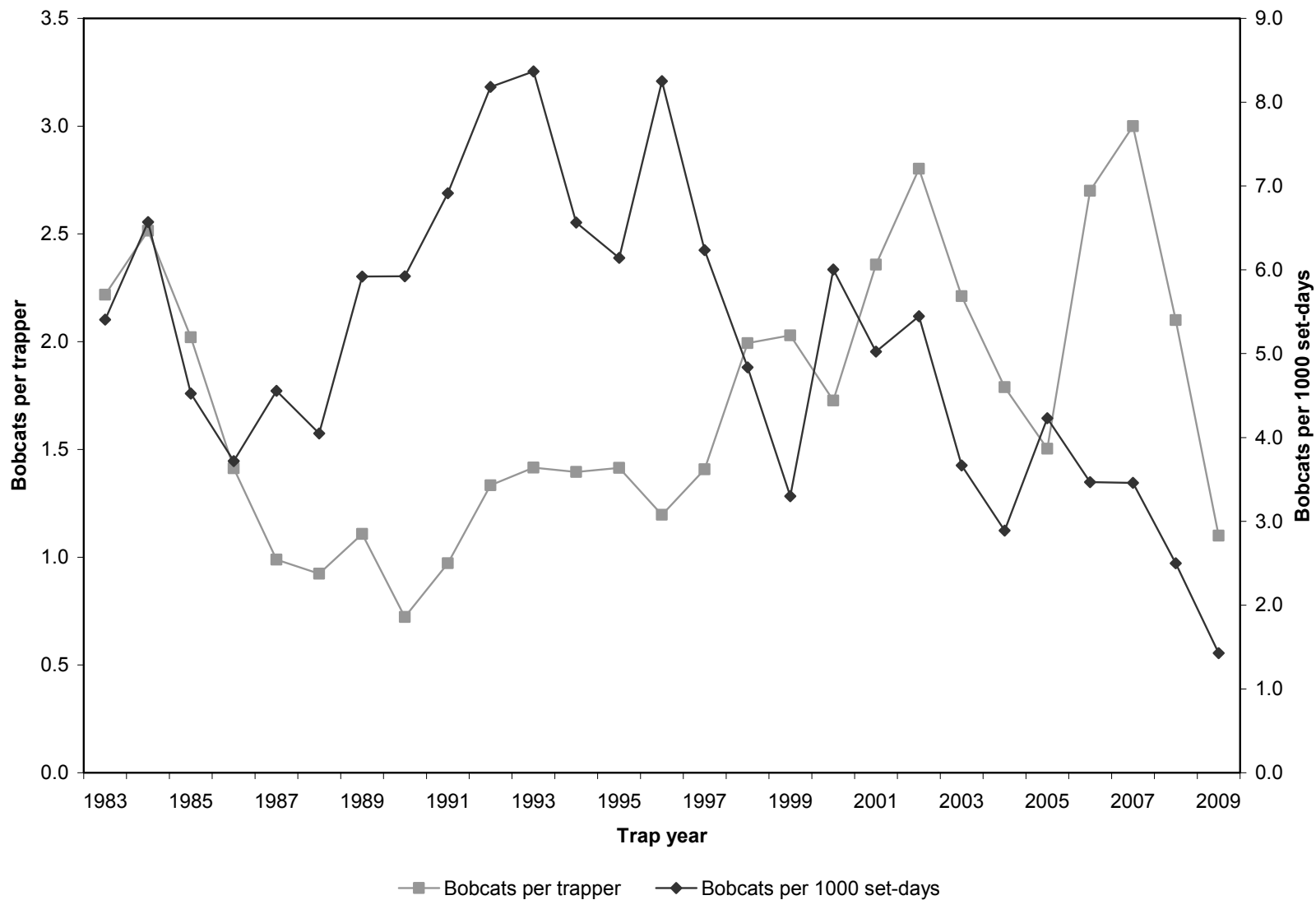
\*Prior to the 2005–2006 season, harvest by hunting and trapping was not collected separately. As such, trapping harvest estimates include all harvest by hunters and trappers.



Statewide bobcat non-trapping harvest statistics, Utah 2006–2009.

Year	Hunters afield	Non-trap harvest	Hunter-days afield	Bobcats / hunter	Hunter-days / bobcat	Pelt price (\$)
2005–2006	612	301	8194	0.5	27.2	358.56
2006-2007	440	340	10408	0.8	30.6	197.53
2007-2008	557	346	10089	0.6	29.2	388.43
2008-2009	438	266	7360	0.6	27.7	238.69
Average	512	313	9013	0.6	28.8	295.80

Statewide bobcat trapping harvest trends, Utah 1983–2009.



Bobcat trapping harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Trapping harvest	Traps set	Trapping days	Set-days	Bobcats / trapper	Set-days / bobcat	Bobcats / 1000 set-days
Beaver	12	67	80	1068	3285	53803	1.2	672.5	1.5
Box Elder	16	90	81	1473	3255	60927	0.9	752.2	1.3
Iron	24	135	96	2355	5308	133627	0.7	1391.9	0.7
Juab	19	107	87	1091	3322	38876	0.8	446.9	2.2
Millard	16	90	52	1841	2346	34701	0.6	667.3	1.5
Tooele	16	90	58	1698	3345	74319	0.6	1281.4	0.8
Great Basin totals	103	579	454	9525	20861	396254	0.8	872.8	1.1
Cache	5	28	15	281	832	8134	0.5	542.3	1.8
Davis	2	11	2	73	579	2288	0.2	1144.0	0.9
Morgan	6	34	18	275	1029	5234	0.5	290.8	3.4
Piute	3	17	40	506	337	8432	2.4	210.8	4.7
Rich	3	17	8	320	354	7454	0.5	931.8	1.1
Salt Lake	1	6	3	39	206	2386	0.5	795.3	1.3
Sanpete	9	51	29	551	1903	28548	0.6	984.4	1.0
Sevier	23	129	110	2016	5546	83552	0.9	759.6	1.3
Summit	5	28	25	298	1338	17353	0.9	694.1	1.4
Utah	13	73	39	585	2063	17021	0.5	436.4	2.3
Wasatch	0	—	7	—	—	—	—	—	—
Weber	6	34	9	124	1467	3346	0.3	371.8	2.7
Rocky Mountain totals	76	427	305	5068	15654	183746	0.7	602.4	1.7
Daggett	8	45	29	675	1355	29151	0.6	1005.2	1.0
Duchesne	11	62	73	872	2343	48992	1.2	671.1	1.5
Uintah	19	107	131	2219	3498	115404	1.2	880.9	1.1
Uintah Basin totals	38	214	233	3766	7195	193547	1.1	830.7	1.2
Carbon	16	90	79	1197	3099	41439	0.9	524.5	1.9
Emery	20	112	54	1388	4385	89292	0.5	1653.6	0.6
Garfield	21	118	146	2315	3836	78727	1.2	539.2	1.9
Grand	7	39	44	804	1016	30109	1.1	684.3	1.5
Kane	17	96	152	1580	3052	44260	1.6	291.2	3.4
San Juan	14	79	141	1580	2076	42096	1.8	298.6	3.3
Washington	22	124	168	2138	5292	103137	1.4	613.9	1.6
Wayne	8	45	9	860	2608	45942	0.2	5104.7	0.2
Colorado Plateau totals	125	703	793	11862	25365	475004	1.1	599.0	1.7
Unknown	3	17	11	236	868	10261	0.6	932.8	1.1
Statewide totals*	290	1630	1796	30457	69943	1258813	1.1	700.9	1.4

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

Bobcat non-trapping harvest statistics by county and management unit, Utah 2009.

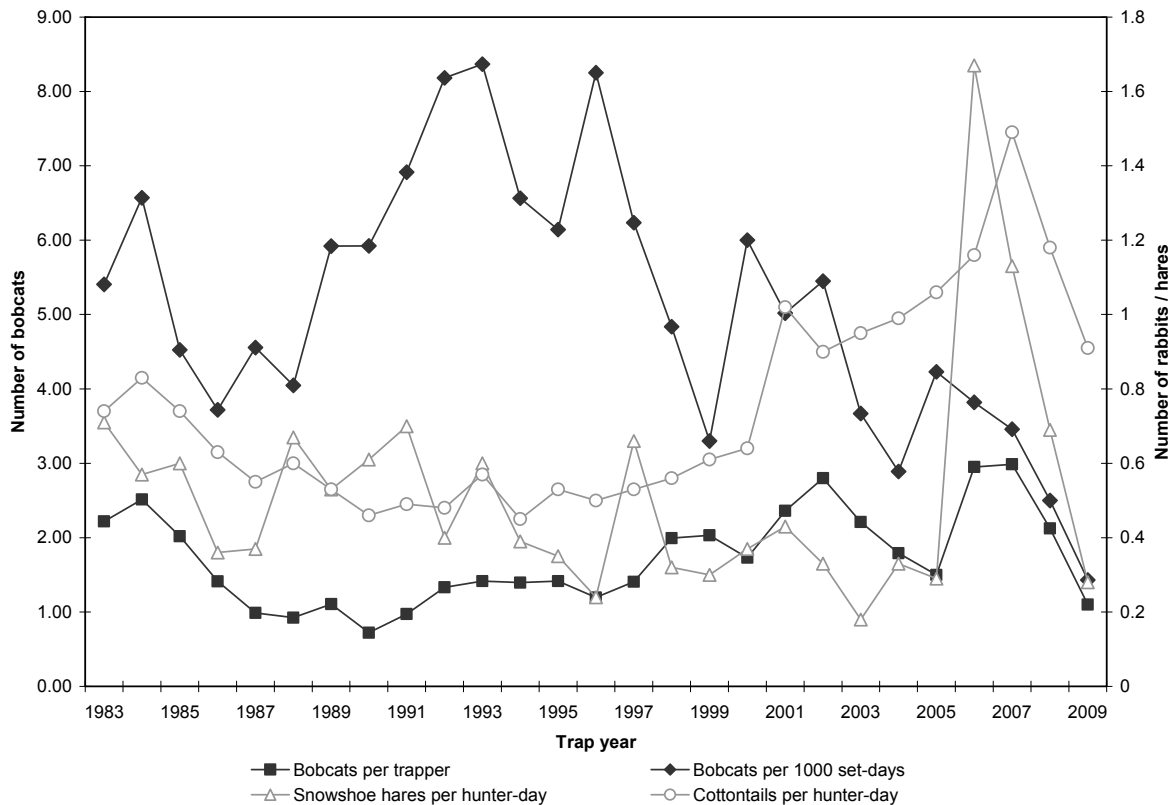
County	n	Hunters afield	Non-trap harvest	Hunter-days afield	Bobcats / hunter	Hunter-days / bobcat
Beaver	2	11	3	146	0.3	48.7
Box Elder	11	62	5	402	0.1	80.4
Iron	4	22	12	399	0.5	33.3
Juab	9	51	15	500	0.3	33.3
Millard	2	11	6	129	0.5	21.5
Tooele	8	45	19	604	0.4	31.8
Great Basin totals	36	202	60	2181	0.3	36.4
Cache	4	22	16	438	0.7	27.4
Davis	0	—	2	—	—	—
Morgan	1	6	2	34	0.3	17.0
Piute	0	—	—	—	—	—
Rich	0	—	—	—	—	—
Salt Lake	0	—	—	—	—	—
Sanpete	4	22	17	141	0.8	8.3
Sevier	1	6	7	169	1.2	24.1
Summit	3	17	15	90	0.9	6.0
Utah	5	28	15	253	0.5	16.9
Wasatch	3	17	16	253	0.9	15.8
Weber	1	6	3	79	0.5	26.3
Rocky Mountain totals	22	124	93	1456	0.8	15.7
Daggett	1	6	2	39	0.3	19.5
Duchesne	7	39	11	636	0.3	57.8
Uintah	12	67	23	1226	0.3	53.3
Uintah Basin totals	20	112	36	1902	0.3	52.8
Carbon	5	28	5	180	0.2	36.0
Emery	3	17	9	84	0.5	9.3
Garfield	4	22	14	337	0.6	24.1
Grand	3	17	11	416	0.6	37.8
Kane	4	22	7	512	0.3	73.1
San Juan	2	11	22	67	2.0	3.0
Washington	0	—	9	—	—	—
Wayne	0	—	—	—	—	—
Colorado Plateau totals	21	118	77	1596	0.7	20.7
Unknown	2	11	0	225	0.0	—
Statewide totals*	78	438	266	7360	0.6	27.7

\*Statewide totals for sample size and hunters afield are not totals of the columns because hunters hunted multiple counties.

## Prey index

Lagomorph densities are generally considered to be a good indicator of bobcat recruitment and survival because high lagomorph populations provide an essential prey base for dispersing bobcats. When lagomorph populations are high or increasing, the bobcat population has also increased or at least remained stable. Thus, low populations of lagomorphs will reduce the likelihood of younger bobcats surviving to the next year. Cottontail rabbit and snowshoe hare data are taken from the Utah Upland Game Annual Report 2008 (2008-09 seasons).

Relationships in harvest statistics between bobcat and prey, Utah 1983–2009.



## Population trends

Bobcat harvest age and sex ratios, Utah 1986–2009.

Trap year	Kittens / adult female	Kittens / adult	Male kittens / female kittens	Juveniles / adult	Juv. males / juv. females	Proportion juveniles in harvest	Proportion females in harvest	Males / females
1985–1986	0.48	0.21	0.95	—	—	—	—	1.20
1986–1987	0.67	0.30	0.92	—	—	—	—	1.09
1987–1988	1.18	0.53	0.97	—	—	—	—	1.11
1988–1989	1.09	0.44	1.05	—	—	—	—	1.32
1989–1990	0.76	0.32	1.00	—	—	—	—	1.39
1990–1991	0.82	0.33	0.62	—	—	—	—	1.23
1991–1992	0.86	0.69	1.25	—	—	—	—	1.47
1992–1993	0.91	1.00	1.21	—	—	—	—	1.37
1993–1994	1.58	0.61	0.98	—	—	—	—	1.32
1994–1995	0.62	0.57	1.14	0.57	1.14	0.36	0.44	1.34
1995–1996	1.36	0.54	0.72	0.54	0.97	0.35	0.44	1.30
1996–1997	1.86	0.67	1.10	0.68	1.12	0.41	0.41	1.40
1997–1998	1.15	0.44	0.94	0.44	0.94	0.30	0.42	1.38
1998–1999	2.06	0.82	1.13	—	—	—	—	1.30
1999–2000	0.82	0.30	1.01	1.02	1.36	0.50	0.39	1.55
2000–2001	0.69	0.26	1.12	0.89	1.32	0.47	0.39	1.56
2001–2002	0.40	0.16	0.96	0.61	1.19	0.38	0.41	1.44
2002–2003	0.37	0.16	0.88	0.39	0.97	0.28	0.45	1.24
2003–2004	0.63	0.29	0.85	0.46	0.95	0.31	0.47	1.10
2004–2005	0.80	0.32	0.83	1.22	1.13	0.55	0.44	1.28
2005–2006	5.85	2.54	1.37	2.54	1.37	0.72	0.43	1.36
2006–2007	4.10	1.48	1.43	1.48	1.43	0.60	0.43	1.32
2007–2008	3.00	1.31	1.06	1.38	1.06	0.56	0.43	1.31
2008–2009	0.44	0.18	0.82	0.72	0.98	0.42	0.45	1.22
Average	1.35	0.60	1.01	0.92	1.14	0.44	0.43	1.32

In annual reports prior to 2005-2006, the "juvenile" age category referred only to kittens (age 0.5) while "adults" included all bobcats age 1.5 and older. Beginning with the 2005-2006 annual report, the term "juvenile" now refers to kittens and yearlings (ages 0.5-1.5), while "adult" includes all bobcats age 2.5 and older.

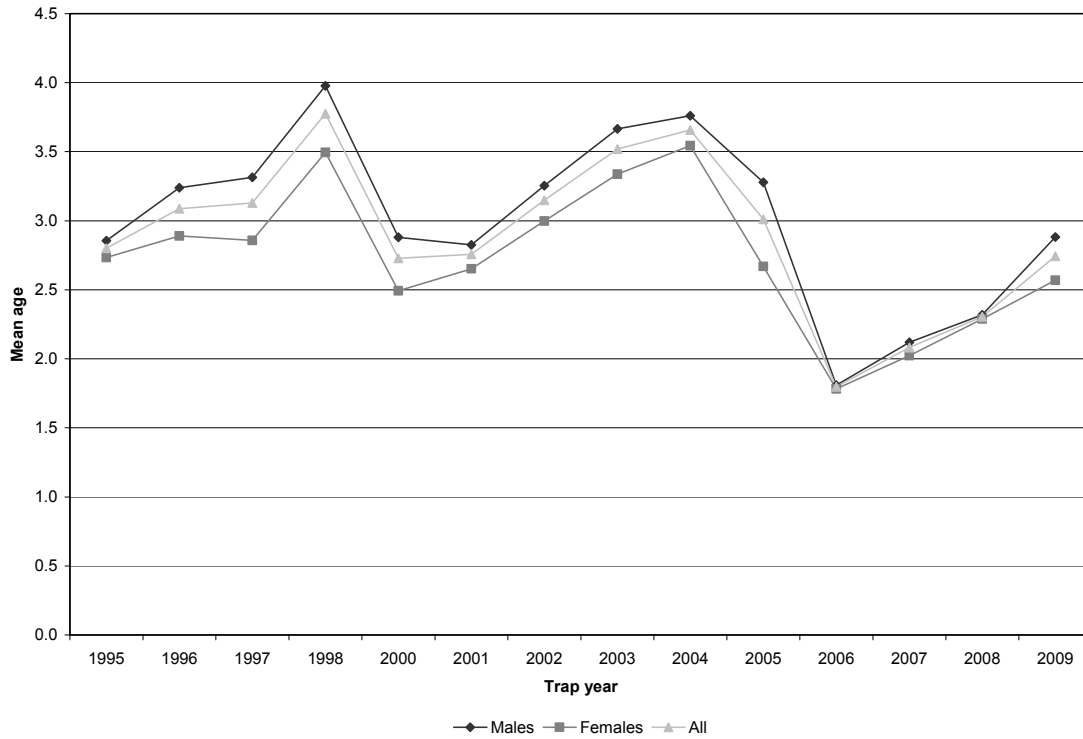
Adult and juvenile bobcat survival (from Chapman-Robson estimator), Utah 1986–2009.

Trap year	Adult survival			Juvenile* survival		
	S (%)	95% CI	Chi-square	S (%)	95% CI	Chi-square
1985–1986	63	60–65	—	42	40–45	—
1986–1987	63	60–65	—	35	32–39	—
1987–1988	65	61–68	—	35	32–38	—
1988–1989	64	60–68	—	38	35–40	—
1989–1990	67	63–71	—	41	38–44	—
1990–1991	58	53–62	—	36	31–41	—
1991–1992	58	55–60	—	32	29–36	—
1992–1993	59	56–63	—	29	25–33	—
1993–1994	54	52–57	—	40	36–43	—
1994–1995	57	54–59	—	34	30–37	—
1995–1996	64	61–66	—	30	25–34	—
1996–1997	68	65–70	—	34	30–38	—
1997–1998	71	69–74	17.3, 10df	34	28–40	62.6, 2df
1998–1999	71	70–73	29.5, 12df	29	26–33	110.2, 2df
1999–2000	66	64–68	71.4, 12df	35	33–38	445.6, 2df
2000–2001	64	62–66	144.6, 12df	36	33–39	389.3, 2df
2001–2002	65	63–67	302.4, 12df	39	36–42	596.6, 2df
2002–2003	67	65–68	1988.1, 12df	39	35–42	459.5, 2df
2003–2004	71	70–72	1328.7, 12df	22	19–25	31.6, 2df
2004–2005	74	73–76	105.2, 12df	36	33–38	985.6, 2df
2005–2006	68	65–70	33.6, 12df	16	14–18	3223.7, 2df
2006–2007	53	48–58	126.3, 12df	35	30–39	195.3, 2df
2007–2008	58	54–62	77.9, 12df	39	35–43	320.1, 2df
2008–2009	57	54–61	41.5, 12df	43	39–48	305.5, 2df
Average	64	—	—	35	—	—

\*"Juveniles" includes all kittens and yearlings (ages 0.5-1.5).

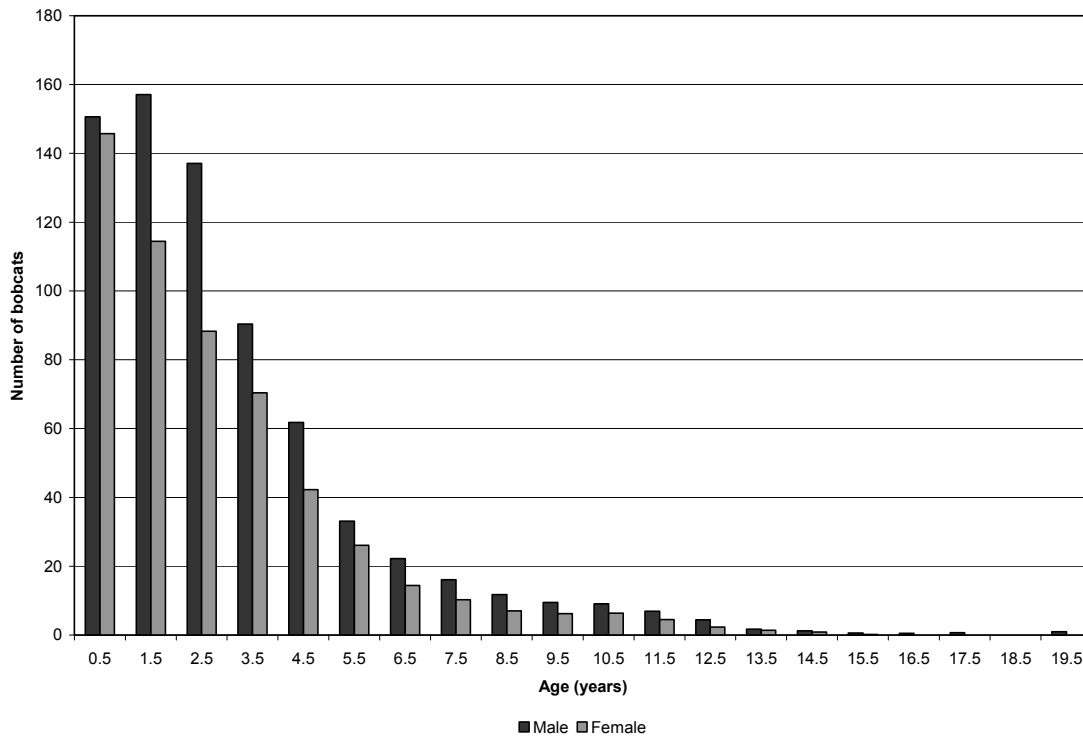
## Age structure

Average age of harvested bobcats, Utah 1995–2009.



\*Excludes age structure data from the 1998–1999 trap season.

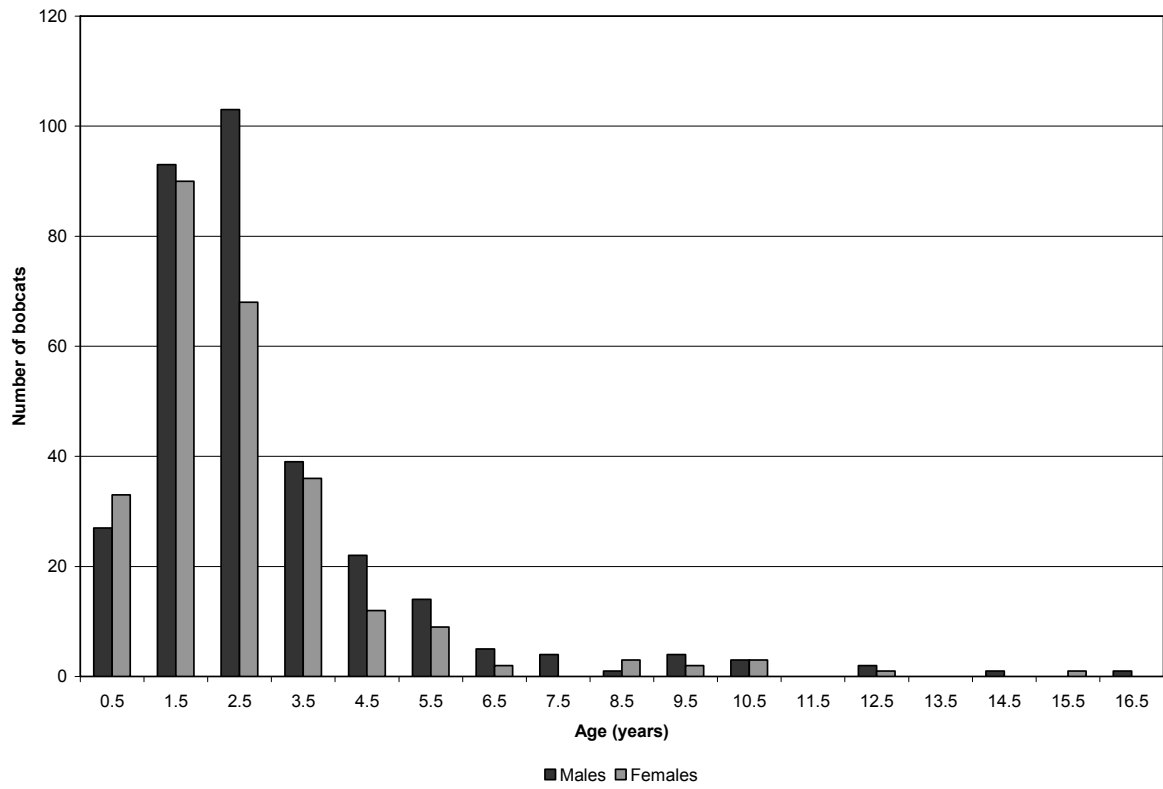
Average number of bobcats harvested by age category, Utah 2000–2009.



\*Excludes age structure data from the 1998–1999 trap season.



Age structure of harvested bobcats, Utah 2009.



# COYOTE

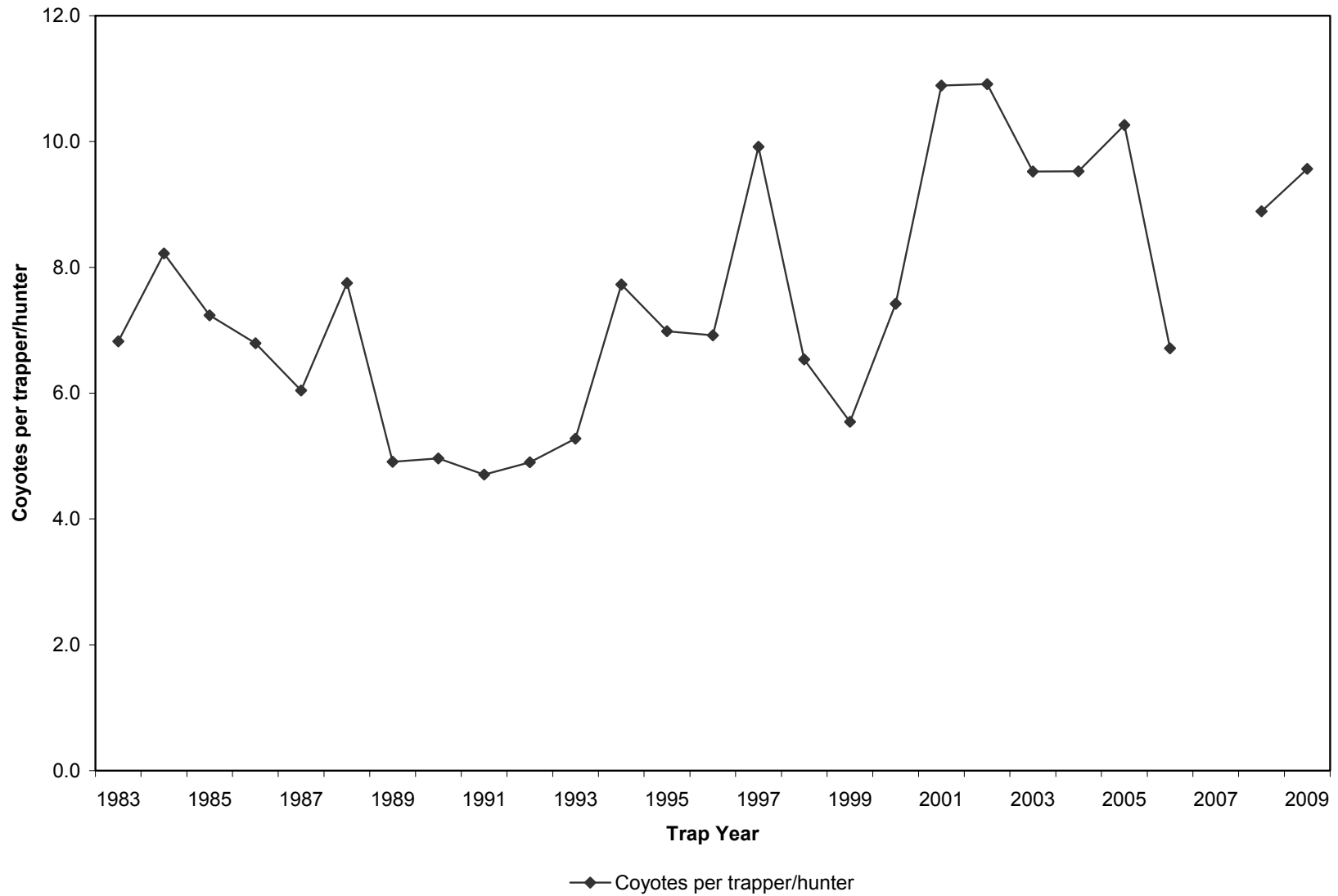
Statewide coyote harvest statistics, Utah 1983–2009.

Trap year	Hunters / trappers afield*	Harvest				Coyotes per hunter / trapper	Pelt price (\$)
		Wildlife Services	Trapping	Non-trap	Total		
1982–1983	841	4130	5738	—	9868	6.8	35.42
1983–1984	715	5063	5878	—	10941	8.2	25.92
1984–1985	828	5427	5991	—	11418	7.2	32.35
1985–1986	714	5045	4851	—	9896	6.8	19.65
1986–1987	819	4116	4947	—	9063	6.0	33.64
1987–1988	893	4338	6919	—	11257	7.7	15.55
1988–1989	652	4853	3200	—	8053	4.9	8.47
1989–1990	671	5168	3331	—	8499	5.0	8.68
1990–1991	389	4444	1831	—	6275	4.7	11.41
1991–1992	664	4347	3255	—	7602	4.9	20.00
1992–1993	695	4932	3666	—	8598	5.3	15.75
1993–1994	679	5827	5247	—	11074	7.7	24.58
1994–1995	754	3893	5267	—	9160	7.0	12.51
1995–1996	632	4165	4372	—	8537	6.9	15.49
1996–1997	405	4484	4017	—	8501	9.9	18.73
1997–1998	494	4169	3228	—	7397	6.5	10.80
1998–1999	782	3464	4337	—	7801	5.5	10.80
1999–2000	473	4534	3510	—	8044	7.4	19.14
2000–2001	456	4275	4966	—	9241	10.9	14.39
2001–2002	399	3874	4354	—	8228	10.9	16.17
2002–2003	572	3394	5446	—	8840	9.5	32.62
2003–2004	699	3897	6660	—	10557	9.5	25.74
2004–2005	699	4125	7173	—	11298	10.3	20.10
2005–2006	630	4820	1190	3039	9049	6.7	30.45
2006–2007	830	5041	—	—	—	—	26.37
2007–2008	859	5618	4055	3582	13255	8.9	21.74
2008–2009	726	3909	3963	2982	10854	9.6	10.86
Average	666	4495	4515	3201	9358	6.3	19.90

Prior to the 2005–2006 season, harvest by hunting and trapping was not collected separately. As such, trapping harvest estimates included all harvest by both hunting and trapping.

\*Hunters/trappers afield and coyotes per hunter/trapper do not include Wildlife Services data.

Statewide coyote harvest trends, Utah 1983–2009.



Coyote trapping harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Trapping harvest	Traps set	Trapping days	Set-days	Coyotes / trapper	Set-days / coyote	Coyotes / 1000 set-days
Beaver	9	25	73	353	1384	21995	2.9	301.3	3.3
Box Elder	10	28	207	343	841	9660	7.4	46.7	21.4
Iron	13	36	249	706	1609	42027	6.9	168.8	5.9
Juab	12	34	392	456	1572	42263	11.5	107.8	9.3
Millard	9	25	185	407	1099	27683	7.4	149.6	6.7
Tooele	7	20	141	263	670	8828	7.1	62.6	16.0
Great Basin totals	60	168	1247	2528	7175	152458	7.4	122.3	8.2
Cache	3	8	129	216	266	6642	16.1	51.5	19.4
Davis	0	—	—	—	—	—	—	—	—
Morgan	2	6	6	22	336	1345	1.0	224.2	4.5
Piute	1	3	34	28	84	841	11.3	24.7	40.4
Rich	0	—	—	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	5	14	205	242	1083	26310	14.6	128.3	7.8
Sevier	8	22	132	266	977	10810	6.0	81.9	12.2
Summit	1	3	8	14	3	14	2.7	1.8	571.4
Utah	9	25	137	311	701	10182	5.5	74.3	13.5
Wasatch	0	—	—	—	—	—	—	—	—
Weber	3	8	8	28	139	1022	1.0	127.8	7.8
Rocky Mountain totals	32	90	659	1127	3588	57166	7.3	86.7	11.5
Daggett	1	3	0	34	62	740	0.0	—	0.0
Duchesne	5	14	151	137	617	4694	10.8	31.1	32.2
Uintah	13	36	535	911	1485	42647	14.9	79.7	12.5
Uintah Basin totals	19	53	686	1081	2163	48081	12.9	70.1	14.3
Carbon	6	17	146	202	397	4110	8.6	28.2	35.5
Emery	5	14	199	154	1156	14761	14.2	74.2	13.5
Garfield	14	39	272	875	1623	34832	7.0	128.1	7.8
Grand	4	11	56	154	617	8856	5.1	158.1	6.3
Kane	8	22	230	512	848	16117	10.5	70.1	14.3
San Juan	8	22	151	493	714	13378	6.9	88.6	11.3
Washington	14	39	199	373	952	16362	5.1	82.2	12.2
Wayne	4	11	84	258	518	11477	7.6	136.6	7.3
Colorado Plateau totals	63	177	1337	3021	6825	119893	7.6	89.7	11.2
Unknown	3	8	34	59	383	4141	4.3	121.8	8.2
Statewide totals*	157	440	3963	7816	20134	381739	9.0	96.3	10.4

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

Coyote non-trapping harvest statistics by county and management unit, Utah 2009.

County	n	Hunters afield	Non-trap harvest	Hunter-days afield	Coyotes / hunter	Hunter-days / coyote
Beaver	3	8	34	112	4.3	3.3
Box Elder	17	48	129	586	2.7	4.5
Iron	7	20	157	235	7.9	1.5
Juab	18	50	291	757	5.8	2.6
Millard	10	28	72	240	2.6	3.3
Tooele	19	53	234	722	4.4	3.1
Great Basin totals	74	207	916	2652	4.4	2.9
Cache	5	14	20	287	1.4	14.4
Davis	2	6	17	92	2.8	5.4
Morgan	3	8	28	48	3.5	1.7
Piute	3	8	59	146	7.4	2.5
Rich	4	11	329	493	29.9	1.5
Salt Lake	0	—	—	—	—	—
Sanpete	4	11	34	209	3.1	6.1
Sevier	5	14	50	173	3.6	3.5
Summit	1	3	6	56	2.0	9.3
Utah	11	31	81	566	2.6	7.0
Wasatch	1	3	14	8	4.7	0.6
Weber	3	8	8	42	1.0	5.3
Rocky Mountain totals	42	118	646	2122	5.5	3.3
Daggett	3	8	62	168	7.8	2.7
Duchesne	8	22	135	880	6.1	6.5
Uintah	17	48	300	1426	6.3	4.8
Uintah Basin totals	28	78	496	2474	6.4	5.0
Carbon	11	31	70	188	2.3	2.7
Emery	11	31	202	909	6.5	4.5
Garfield	9	25	129	1045	5.2	8.1
Grand	6	17	78	249	4.6	3.2
Kane	6	17	249	508	14.6	2.0
San Juan	5	14	39	109	2.8	2.8
Washington	10	28	137	545	4.9	4.0
Wayne	1	3	8	14	2.7	1.8
Colorado Plateau totals	59	165	913	3567	5.5	3.9
Unknown	1	3	11	56	3.7	5.1
Statewide totals*	135	378	2982	10871	7.9	3.6

\*Statewide totals for sample size and hunters afield are not totals of the columns because hunters hunted multiple counties.

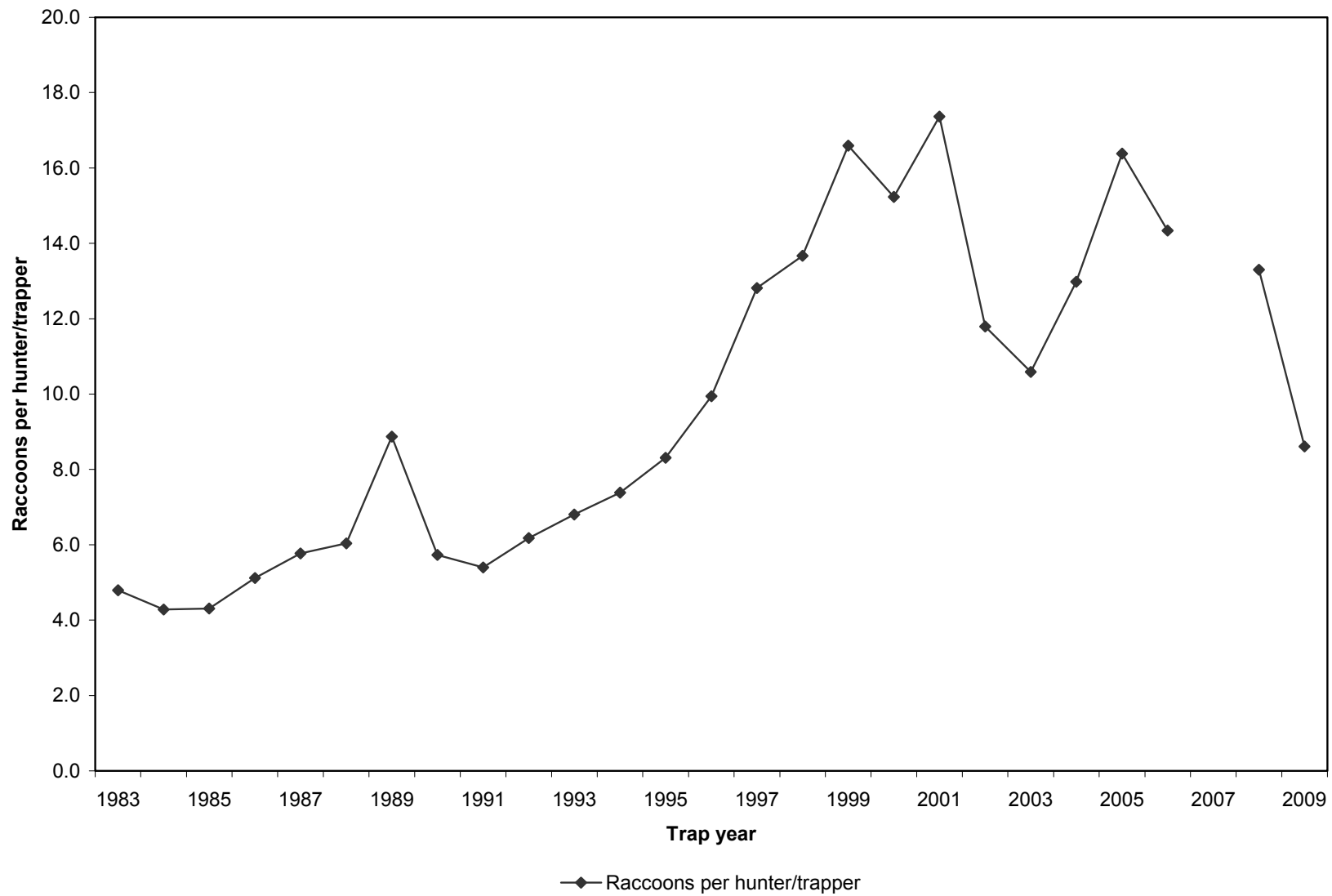
# RACCOON

Statewide raccoon harvest statistics, Utah 1983–2009.

Trap year	Hunters / trappers afield	Harvest			Raccoons per hunter / trapper	Pelt price (\$)
		Trapping	Non-trap	Total		
1982–1983	178	853	—	853	4.8	12.34
1983–1984	192	822	—	822	4.3	13.51
1984–1985	329	1417	—	1417	4.3	12.85
1985–1986	290	1485	—	1485	5.1	9.26
1986–1987	418	2412	—	2412	5.8	12.62
1987–1988	434	2619	—	2619	6.0	9.41
1988–1989	350	3104	—	3104	8.9	7.71
1989–1990	430	2464	—	2464	5.7	5.78
1990–1991	214	1156	—	1156	5.4	4.65
1991–1992	368	2273	—	2273	6.2	4.72
1992–1993	272	1851	—	1851	6.8	2.57
1993–1994	306	2259	—	2259	7.4	6.98
1994–1995	364	3025	—	3025	8.3	6.06
1995–1996	293	2914	—	2914	9.9	8.07
1996–1997	330	4228	—	4228	12.8	13.35
1997–1998	365	4989	—	4989	13.7	9.98
1998–1999	468	7765	—	7765	16.6	4.95
1999–2000	349	5317	—	5317	15.2	5.67
2000–2001	327	5678	—	5678	17.4	5.16
2001–2002	321	3785	—	3785	11.8	8.04
2002–2003	378	4001	—	4001	10.6	5.62
2003–2004	434	5634	—	5634	13.0	10.63
2004–2005	391	6405	—	6405	16.4	6.54
2005–2006	230	1761	1537	3298	14.3	9.83
2006–2007	325	—	—	—	—	7.18
2007–2008	300	2414	1576	3990	13.3	10.85
2008–2009	275	1639	729	2368	8.6	6.21
Average	331	3164	1281	3312	3.9	8.17

\*Prior to the 2005–2006 season, harvest by hunting and trapping was not collected separately. As such, trapping harvest estimates include all harvest by hunters and trappers.

Statewide raccoon harvest trends, Utah 1983–2009.



Raccoon trapping harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Trapping harvest	Traps set	Trapping days	Set-days	Raccoons / trapper	Set-days / raccoon	Raccoons / 1000 set-days
Beaver	1	3	31	20	168	1177	10.3	38.0	26.3
Box Elder	5	14	188	227	452	5991	13.4	31.9	31.4
Iron	4	11	22	107	129	869	2.0	39.5	25.3
Juab	2	6	14	28	23	1452	2.3	103.7	9.6
Millard	0	—	—	—	—	—	—	—	—
Tooele	3	8	28	38	1543	12284	3.5	438.7	2.3
Great Basin totals	15	42	283	419	2315	21772	6.7	76.9	13.0
Cache	5	14	202	188	535	8554	14.4	42.3	23.6
Davis	5	14	81	81	345	2105	5.8	26.0	38.5
Morgan	4	11	56	37	362	1708	5.1	30.5	32.8
Piute	1	3	84	42	84	1261	28.0	15.0	66.6
Rich	0	—	—	—	—	—	—	—	—
Salt Lake	4	11	118	202	179	3800	10.7	32.2	31.1
Sanpete	7	20	128	132	1213	2330	6.4	18.2	54.9
Sevier	4	11	36	127	359	5351	3.3	148.6	6.7
Summit	1	3	8	24	96	816	2.7	102.0	9.8
Utah	11	31	196	163	959	7128	6.3	36.4	27.5
Wasatch	0	—	—	—	—	—	—	—	—
Weber	6	17	196	174	461	6134	11.5	31.3	32.0
Rocky Mountain totals	48	135	1105	1170	4593	39187	8.2	35.5	28.2
Daggett	1	3	3	84	137	5066	1.0	1688.7	0.6
Duchesne	1	3	98	275	168	16480	32.7	168.2	5.9
Uintah	3	8	22	59	378	3784	2.8	172.0	5.8
Uintah Basin totals	5	14	123	417	683	25329	8.8	205.9	4.9
Carbon	0	—	—	—	—	—	—	—	—
Emery	4	11	78	36	816	4431	7.1	56.8	17.6
Garfield	2	6	8	11	549	1099	1.3	137.4	7.3
Grand	0	—	—	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—	—	—
Washington	6	17	36	215	273	1972	2.1	54.8	18.3
Wayne	1	3	6	22	136	625	2.0	104.2	9.6
Colorado Plateau totals	13	36	128	285	1775	8126	3.6	63.5	15.8
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	77	216	1639	2291	9366	94415	7.6	57.6	17.4

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.



Raccoon non-trapping harvest statistics by county and management unit, Utah 2009.

County	n	Hunters afield	Non-trap harvest	Hunter-days afield	Raccoons / hunter	Hunter-days / raccoon
Beaver	0	—	—	—	—	—
Box Elder	1	3	6	11	2.0	1.8
Iron	0	—	—	—	—	—
Juab	0	—	—	—	—	—
Millard	0	—	—	—	—	—
Tooele	0	—	—	—	—	—
Great Basin totals	1	3	6	11	2.0	1.8
Cache	2	6	56	168	9.3	3.0
Davis	0	—	—	—	—	—
Morgan	0	—	—	—	—	—
Piute	0	—	—	—	—	—
Rich	1	3	20	3	6.7	0.2
Salt Lake	1	3	22	59	7.3	2.7
Sanpete	0	—	—	—	—	—
Sevier	1	3	28	42	9.3	1.5
Summit	0	—	—	—	—	—
Utah	10	28	413	712	14.8	1.7
Wasatch	1	3	6	3	2.0	0.5
Weber	2	6	32	95	5.3	3.0
Rocky Mountain totals	18	50	577	1082	11.5	1.9
Daggett	1	3	6	6	2.0	1.0
Duchesne	3	8	34	205	4.3	6.0
Uintah	2	6	28	59	4.7	2.1
Uintah Basin totals	6	17	67	269	3.9	4.0
Carbon	0	—	—	—	—	—
Emery	2	6	78	67	13.0	0.9
Garfield	0	—	—	—	—	—
Grand	0	—	—	—	—	—
Kane	0	—	—	—	—	—
San Juan	0	—	—	—	—	—
Washington	0	—	—	—	—	—
Wayne	0	—	—	—	—	—
Colorado Plateau totals	2	6	78	67	13.0	0.9
Unknown	0	—	—	—	—	—
Statewide totals*	24	67	729	1429	10.9	2.0

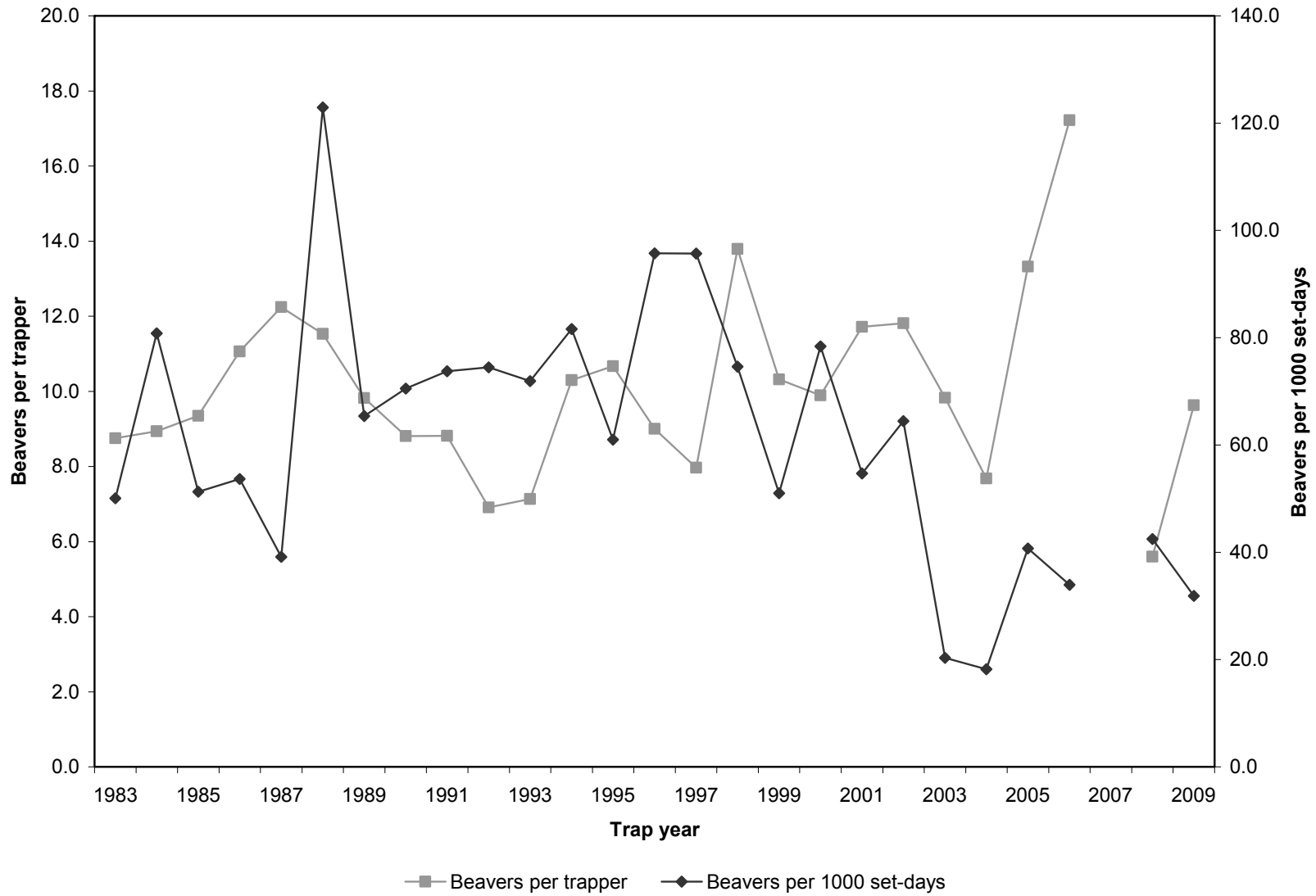
\*Statewide totals for sample size and hunters afield are not totals of the columns because hunters hunted multiple counties.

## BEAVER

Statewide beaver harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Beavers / trapper	Set-days / beaver	Beavers / 1000 set-days	Pelt price (\$)
1982–1983	181	1584	31632	8.8	20.0	50.1	12.89
1983–1984	200	1788	22131	8.9	12.4	80.8	14.10
1984–1985	285	2664	51960	9.3	19.5	51.3	16.44
1985–1986	293	3242	60428	11.1	18.6	53.7	14.64
1986–1987	338	4138	105661	12.2	25.5	39.2	22.64
1987–1988	409	4716	38367	11.5	8.1	122.9	14.67
1988–1989	277	2721	41616	9.8	15.3	65.4	10.02
1989–1990	390	3436	48716	8.8	14.2	70.5	11.93
1990–1991	176	1551	21029	8.8	13.6	73.8	6.49
1991–1992	216	1492	20040	6.9	13.4	74.5	8.94
1992–1993	134	956	13291	7.1	13.9	71.9	7.74
1993–1994	171	1761	21578	10.3	12.3	81.6	9.59
1994–1995	239	2551	41818	10.7	16.4	61.0	12.65
1995–1996	170	1530	15982	9.0	10.4	95.7	13.40
1996–1997	163	1299	13576	8.0	10.5	95.7	21.15
1997–1998	210	2896	38816	13.8	13.4	74.6	13.58
1998–1999	286	2950	57818	10.3	19.6	51.0	9.37
1999–2000	185	1830	23342	9.9	12.8	78.4	10.98
2000–2001	170	1992	36406	11.7	18.3	54.7	10.32
2001–2002	143	1689	26199	11.8	15.5	64.5	10.85
2002–2003	175	1720	84755	9.8	49.3	20.3	9.47
2003–2004	232	1781	97791	7.7	54.9	18.2	14.10
2004–2005	200	2664	65401	13.3	24.5	40.7	13.91
2005–2006	130	2239	66026	17.2	29.5	33.9	17.75
2006-2007	122	—	—	—	—	—	16.31
2007-2008	133	745	17545	5.6	23.6	42.5	17.50
2008-2009	121	1165	36536	9.6	31.4	31.9	13.15
Average	213	2196	42248	10.3	19.2	52.0	13.13

Statewide beaver harvest trends, Utah 1983–2009.



Beaver harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Beavers / trapper	Set-days / beaver	Beavers / 1000 set-days
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	2	6	25	31	92	547	4.2	21.9	45.7
Iron	0	—	—	—	—	—	—	—	—
Juab	1	3	6	8	20	59	2.0	9.8	101.7
Millard	0	—	—	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	3	8	31	39	112	605	3.9	19.5	51.2
Cache	6	17	230	216	740	8621	13.5	37.5	26.7
Davis	0	—	—	—	—	—	—	—	—
Morgan	3	8	62	42	109	589	7.8	9.5	105.3
Piute	1	3	84	28	84	841	28.0	10.0	99.9
Rich	2	6	48	67	168	2018	8.0	42.0	23.8
Salt Lake	2	6	151	191	132	5608	25.2	37.1	26.9
Sanpete	2	6	56	28	39	247	9.3	4.4	226.7
Sevier	2	6	28	67	196	3475	4.7	124.1	8.1
Summit	2	6	20	48	28	297	3.3	14.9	67.3
Utah	4	11	28	48	73	446	2.5	15.9	62.8
Wasatch	0	—	—	—	—	—	—	—	—
Weber	5	14	45	67	104	561	3.2	12.5	80.2
Rocky Mountain totals	29	81	752	802	1673	22702	9.3	30.2	33.1
Daggett	1	3	17	11	20	78	5.7	4.6	217.9
Duchesne	5	14	135	90	130	561	9.6	4.2	240.6
Uintah	2	6	202	140	420	10930	33.7	54.1	18.5
Uintah Basin totals	8	22	354	241	570	11569	16.1	32.7	30.6
Carbon	1	3	25	22	84	673	8.3	26.9	37.1
Emery	2	6	0	11	78	157	0.0	—	0.0
Garfield	1	3	3	26	59	830	1.0	276.7	3.6
Grand	0	—	—	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—	—	—
Washington	0	—	—	—	—	—	—	—	—
Wayne	0	—	—	—	—	—	—	—	—
Colorado Plateau totals	4	11	28	60	221	1660	2.5	59.3	16.9
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	43	121	1165	1141	2576	36536	9.6	31.4	31.9

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

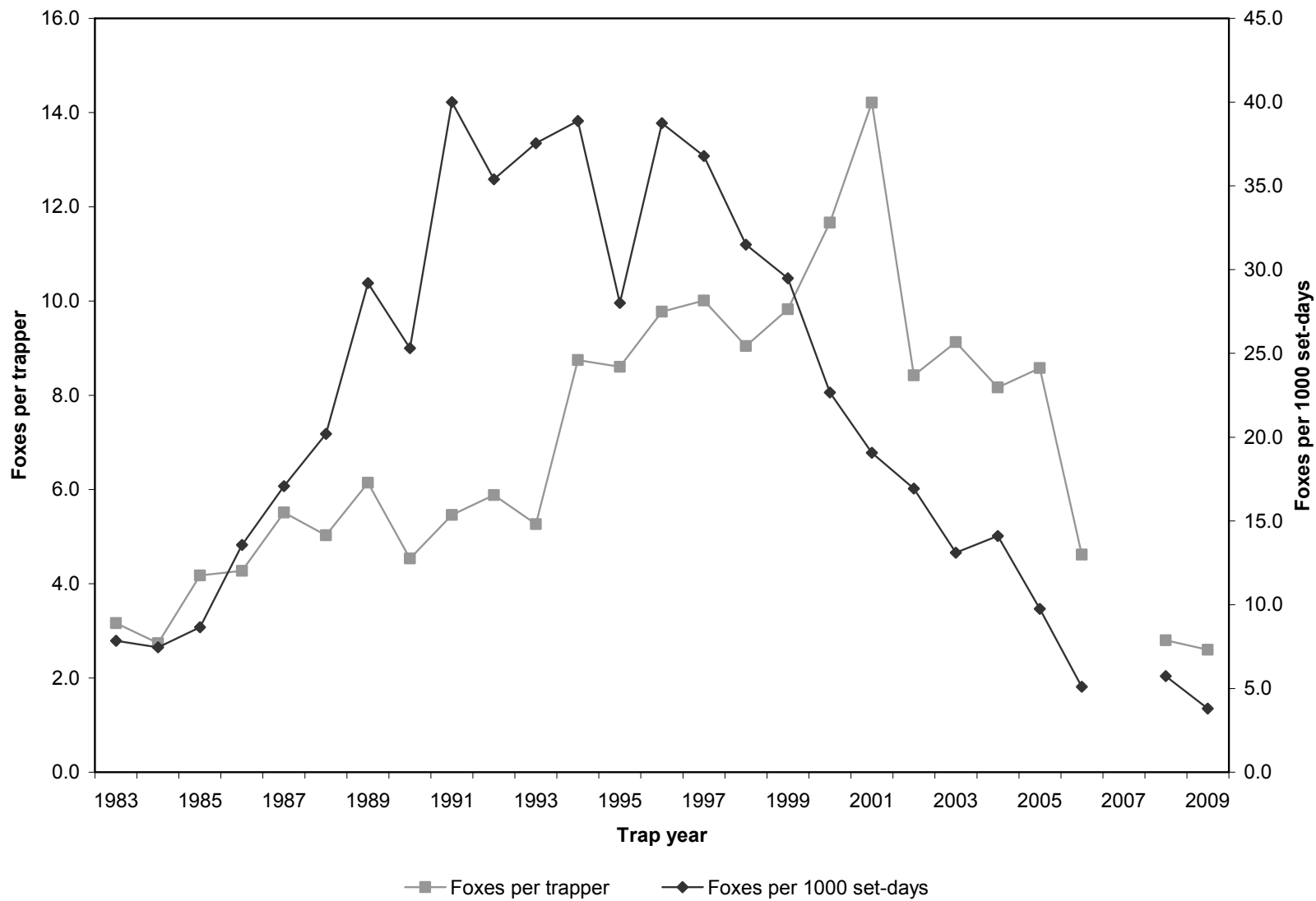
## RED FOX

Statewide red fox harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Foxes / trapper	Set-days / fox	Foxes / 1000 set-days	Pelt price (\$)
1982–1983	172	544	69366	3.2	127.5	7.8	30.13
1983–1984	191	523	70121	2.7	134.1	7.5	28.43
1984–1985	298	1244	143815	4.2	115.6	8.7	25.90
1985–1986	316	1351	99623	4.3	73.7	13.6	15.83
1986–1987	444	2446	143189	5.5	58.5	17.1	20.14
1987–1988	506	2545	126008	5.0	49.5	20.2	13.66
1988–1989	398	2446	83777	6.1	34.3	29.2	6.57
1989–1990	496	2250	88876	4.5	39.5	25.3	7.80
1990–1991	365	1993	49821	5.5	25.0	40.0	6.34
1991–1992	623	3663	103484	5.9	28.3	35.4	10.70
1992–1993	594	3126	83253	5.3	26.6	37.5	10.12
1993–1994	578	5055	130027	8.7	25.7	38.9	14.74
1994–1995	509	4378	156307	8.6	35.7	28.0	15.34
1995–1996	421	4115	106218	9.8	25.8	38.7	18.08
1996–1997	427	4274	116183	10.0	27.2	36.8	17.48
1997–1998	414	3744	118860	9.0	31.7	31.5	11.31
1998–1999	570	5600	189944	9.8	33.9	29.5	8.95
1999–2000	420	4900	216141	11.7	44.1	22.7	14.19
2000–2001	375	5330	279449	14.2	52.4	19.1	16.92
2001–2002	379	3192	188572	8.4	59.1	16.9	24.48
2002–2003	482	4399	335863	9.1	76.3	13.1	28.19
2003–2004	568	4639	329026	8.2	70.9	14.1	18.07
2004–2005	545	4674	479042	8.6	102.5	9.8	18.86
2005–2006*	406	1874	—	4.6	196.3	5.1	24.35
2006–2007	496	—	—	—	—	—	20.49
2007–2008	407	1130	196865	2.8	174.2	5.7	21.42
2008–2009	339	872	227587	2.6	261.0	3.8	17.98
Average	435	3089	165257	7.1	53.5	18.7	17.28

\*Due to outliers in the data, statewide set-days could not be calculated. Set-days per fox and foxes per 1000 set-days were calculated after removing outliers.

Statewide red fox harvest trends, Utah 1983–2009.



Red fox harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Foxes / trapper	Set-days / fox	Foxes / 1000 set-days
Beaver	3	8	36	63	547	4414	4.5	122.6	8.2
Box Elder	9	25	73	290	1076	21491	2.9	294.4	3.4
Iron	6	17	34	414	608	15430	2.0	453.8	2.2
Juab	4	11	37	101	420	2990	3.4	80.8	12.4
Millard	1	3	6	17	39	235	2.0	39.2	25.5
Tooele	8	22	59	283	437	7493	2.7	127.0	7.9
Great Basin totals	31	87	245	1167	3128	52054	2.8	212.5	4.7
Cache	5	14	39	336	655	22919	2.8	587.7	1.7
Davis	3	8	21	39	266	1342	2.6	63.9	15.6
Morgan	3	8	13	71	631	5675	1.6	436.5	2.3
Piute	1	3	7	42	84	1261	2.3	180.1	5.6
Rich	1	3	3	6	11	22	1.0	7.3	136.4
Salt Lake	3	8	29	104	154	2032	3.6	70.1	14.3
Sanpete	8	22	22	232	684	7563	1.0	343.8	2.9
Sevier	5	14	42	151	515	6218	3.0	148.0	6.8
Summit	2	6	3	22	168	673	0.5	224.3	4.5
Utah	15	42	102	359	1484	23154	2.4	227.0	4.4
Wasatch	0	—	—	—	—	—	—	—	—
Weber	5	14	39	143	368	3626	2.8	93.0	10.8
Rocky Mountain totals	51	143	320	1506	5021	74486	2.2	232.8	4.3
Daggett	1	3	3	48	59	1001	1.0	333.7	3.0
Duchesne	7	20	59	204	749	10162	3.0	172.2	5.8
Uintah	11	31	43	478	1102	26012	1.4	604.9	1.7
Uintah Basin totals	19	53	105	730	1910	37175	2.0	354.0	2.8
Carbon	5	14	42	135	317	2640	3.0	62.9	15.9
Emery	7	20	59	270	1377	35647	3.0	604.2	1.7
Garfield	7	20	48	363	235	1295	2.4	27.0	37.1
Grand	1	3	0	34	59	706	0.0	—	0.0
Kane	1	3	0	37	102	1737	0.0	—	0.0
San Juan	2	6	6	252	78	3531	1.0	588.5	1.7
Washington	1	3	0	37	102	1737	0.0	—	0.0
Wayne	5	14	47	227	869	14840	3.4	315.7	3.2
Colorado Plateau totals	29	81	202	1353	3139	62134	2.5	307.6	3.3
Unknown	1	3	0	37	102	1737	0.0	—	0.0
Statewide totals*	121	339	872	4792	13299	227587	2.6	261.0	3.8

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

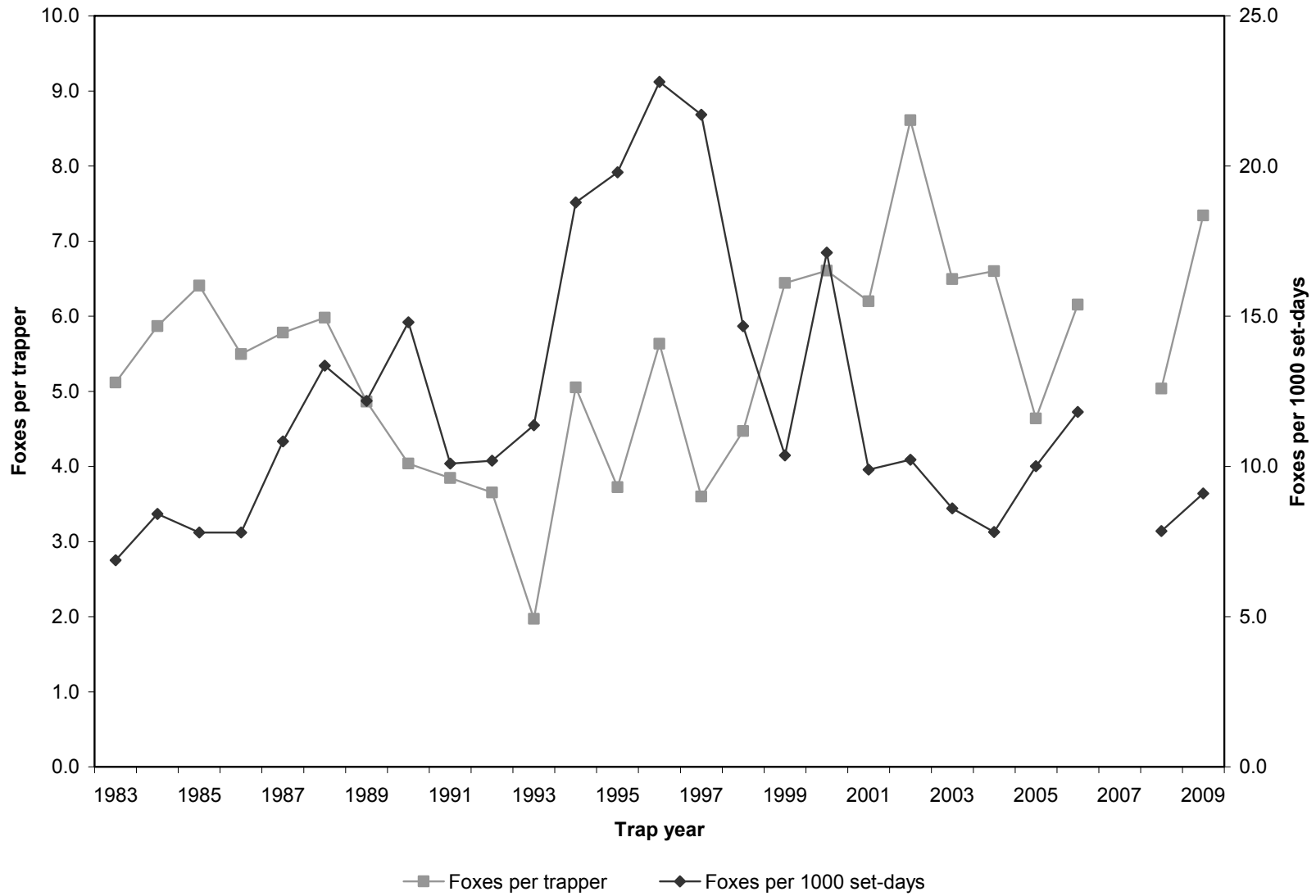
## GRAY FOX

Statewide gray fox harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Foxes / trapper	Set-days / fox	Foxes / 1000 set-days	Pelt price (\$)
1982–1983	263	1346	195772	5.1	145.4	6.9	27.75
1983–1984	233	1367	162394	5.9	118.8	8.4	25.13
1984–1985	305	1954	250538	6.4	128.2	7.8	24.64
1985–1986	256	1407	180454	5.5	128.3	7.8	15.03
1986–1987	252	1457	134458	5.8	92.3	10.8	25.29
1987–1988	273	1633	122271	6.0	74.9	13.4	21.91
1988–1989	226	1099	90214	4.9	82.1	12.2	13.50
1989–1990	233	941	63576	4.0	67.6	14.8	6.19
1990–1991	65	250	24768	3.8	99.1	10.1	8.24
1991–1992	110	402	39445	3.7	98.1	10.2	6.87
1992–1993	214	422	37108	2.0	87.9	11.4	7.08
1993–1994	136	687	36563	5.1	53.2	18.8	12.00
1994–1995	207	771	38957	3.7	50.5	19.8	9.62
1995–1996	147	828	36319	5.6	43.9	22.8	10.65
1996–1997	102	367	16904	3.6	46.1	21.7	11.60
1997–1998	87	389	26515	4.5	68.2	14.7	7.76
1998–1999	135	870	83913	6.4	96.5	10.4	6.96
1999–2000	140	925	54044	6.6	58.4	17.1	6.62
2000–2001	187	1159	117117	6.2	101.1	9.9	8.00
2001–2002	154	1326	129687	8.6	97.8	10.2	11.58
2002–2003	299	1942	225810	6.5	116.3	8.6	12.47
2003–2004	265	1749	223814	6.6	128.0	7.8	10.84
2004–2005	203	942	94102	4.6	99.9	10.0	13.81
2005–2006	98	603	51051	6.2	84.7	11.8	24.15
2006-2007	252	—	—	—	—	—	37.25
2007-2008	217	1093	139231	5.0	127.4	7.9	39.19
2008-2009	238	1747	192782	7.3	110.4	9.1	17.07
Average	196	1064	106454	5.4	100.0	10.0	15.60



Statewide gray fox harvest trends, Utah 1983–2009.



Gray fox harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Foxes / trapper	Set-days / fox	Foxes / 1000 set-days
Beaver	2	6	14	90	115	2105	2.3	150.4	6.7
Box Elder	0	—	—	—	—	—	—	—	—
Iron	5	14	73	280	827	23598	5.2	323.3	3.1
Juab	3	8	11	202	292	6355	1.4	577.7	1.7
Millard	1	3	3	6	28	56	1.0	18.7	53.6
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	11	31	101	577	1261	32115	3.3	318.0	3.1
Cache	0	—	—	—	—	—	—	—	—
Davis	0	—	—	—	—	—	—	—	—
Morgan	0	—	—	—	—	—	—	—	—
Piute	1	3	14	51	252	2118	4.7	151.3	6.6
Rich	0	—	—	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	0	—	—	—	—	—	—	—	—
Sevier	1	3	3	70	84	2102	1.0	700.7	1.4
Summit	1	3	11	14	3	14	3.7	1.3	785.7
Utah	0	—	—	—	—	—	—	—	—
Wasatch	0	—	—	—	—	—	—	—	—
Weber	0	—	—	—	—	—	—	—	—
Rocky Mountain totals	3	8	28	135	339	4234	3.5	151.2	6.6
Daggett	2	6	6	103	196	4237	1.0	706.2	1.4
Duchesne	4	11	14	198	863	22048	1.3	1574.9	0.6
Uintah	6	17	177	434	572	17489	10.4	98.8	10.1
Uintah Basin totals	12	34	197	735	1631	43773	5.8	222.2	4.5
Carbon	3	8	22	104	143	2738	2.8	124.5	8.0
Emery	4	11	20	67	448	2018	1.8	100.9	9.9
Garfield	9	25	328	602	795	24753	13.1	75.5	13.3
Grand	4	11	60	235	802	11132	5.5	185.5	5.4
Kane	14	39	235	646	981	17824	6.0	75.8	13.2
San Juan	6	17	109	336	461	10888	6.4	99.9	10.0
Washington	21	59	580	971	1530	30621	9.8	52.8	18.9
Wayne	2	6	56	168	378	11351	9.3	202.7	4.9
Colorado Plateau totals	63	177	1410	3130	5538	111325	8.0	79.0	12.7
Unknown	2	6	11	95	78	1334	1.8	121.3	8.2
Statewide totals*	85	238	1747	4673	8848	192782	7.3	110.4	9.1

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

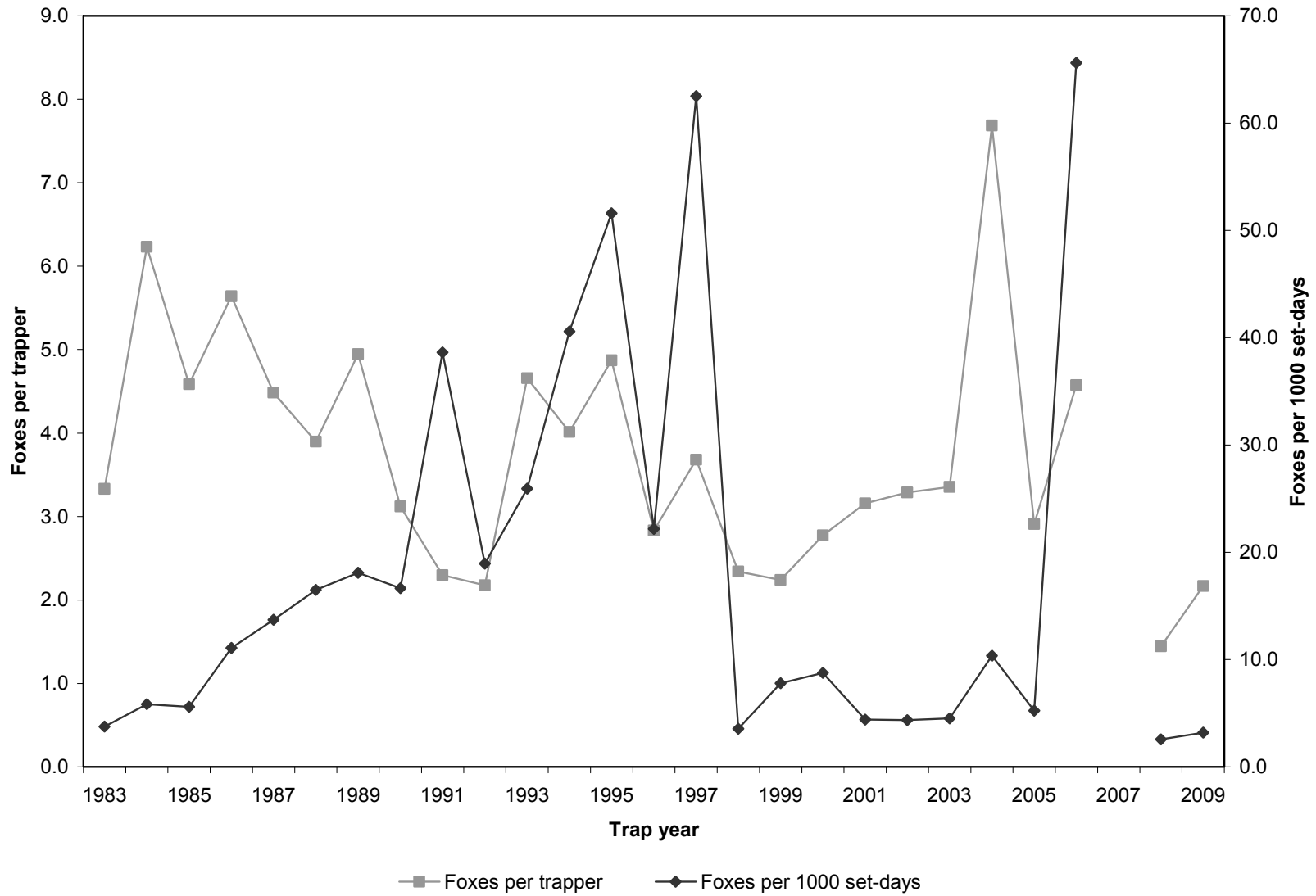
## KIT FOX

Statewide kit fox harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Foxes / trapper	Set-days / fox	Foxes / 1000 set-days	Pelt price (\$)
1982–1983	109	363	96880	3.3	266.9	3.7	11.39
1983–1984	112	698	119504	6.2	171.2	5.8	11.99
1984–1985	142	651	116133	4.6	178.4	5.6	11.17
1985–1986	108	609	54928	5.6	90.2	11.1	7.50
1986–1987	122	547	39872	4.5	72.9	13.7	9.90
1987–1988	138	538	32630	3.9	60.7	16.5	10.69
1988–1989	130	643	35528	4.9	55.3	18.1	6.98
1989–1990	117	365	21926	3.1	60.1	16.6	3.19
1990–1991	81	186	4815	2.3	25.9	38.6	4.67
1991–1992	86	187	9869	2.2	52.8	18.9	2.78
1992–1993	41	191	7363	4.7	38.5	25.9	4.30
1993–1994	75	301	7415	4.0	24.6	40.6	4.69
1994–1995	109	531	10292	4.9	19.4	51.6	6.45
1995–1996	77	218	9826	2.8	45.1	22.2	6.25
1996–1997	44	162	2591	3.7	16.0	62.5	6.77
1997–1998	41	96	27046	2.3	281.7	3.5	3.50
1998–1999	75	168	21557	2.2	128.3	7.8	7.31
1999–2000	66	183	20890	2.8	114.2	8.8	2.90
2000–2001	51	161	36574	3.2	227.2	4.4	6.13
2001–2002	52	171	39215	3.3	229.3	4.4	10.72
2002–2003	90	302	66826	3.4	221.3	4.5	5.44
2003–2004	83	638	61572	7.7	96.5	10.4	5.38
2004–2005	89	259	49454	2.9	190.9	5.2	8.98
2005–2006*	40	183	—	4.6	15.2	65.6	10.92
2006–2007	65	—	—	—	—	—	10.50
2007–2008	27	39	15269	1.4	391.5	2.6	7.87
2008–2009	48	104	32683	2.2	314.3	3.2	7.61
Average	82	327	37626	4.0	115.2	8.7	7.26

\*Due to outliers in the data, statewide set-days could not be calculated. Set-days per fox and foxes per 1000 set-days were calculated after removing outliers.

Statewide kit fox harvest trends, Utah 1983–2009.

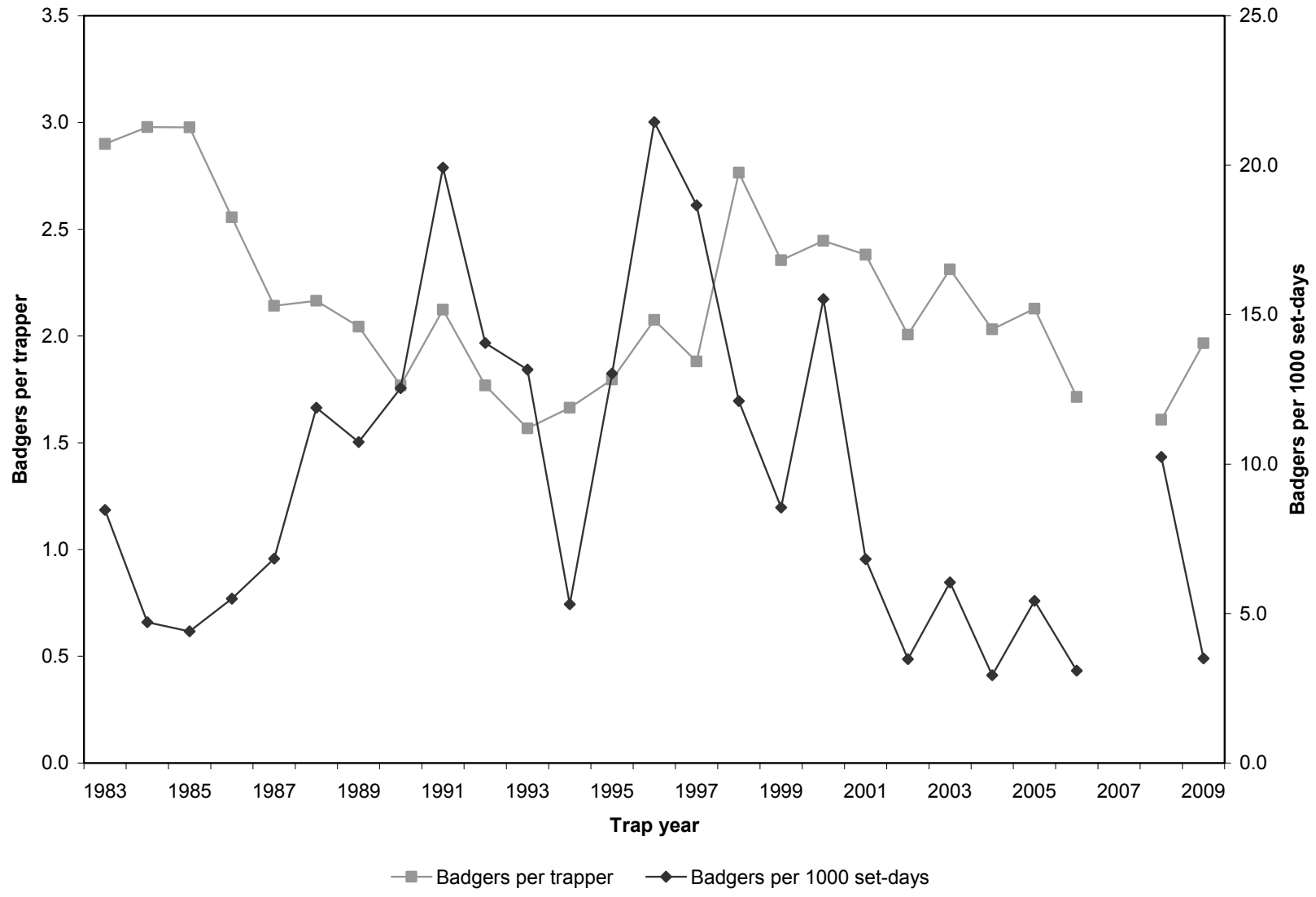


## BADGER

Statewide badger harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Badgers / trapper	Set-days / badger	Badgers / 1000 set-days	Pelt price (\$)
1982–1983	250	725	85622	2.9	118.1	8.5	8.20
1983–1984	188	560	118858	3.0	212.3	4.7	8.56
1984–1985	225	670	152179	3.0	227.1	4.4	10.14
1985–1986	194	496	90234	2.6	181.9	5.5	3.96
1986–1987	198	424	62035	2.1	146.3	6.8	7.64
1987–1988	212	459	38624	2.2	84.1	11.9	6.04
1988–1989	204	417	38836	2.0	93.1	10.7	4.66
1989–1990	207	366	29175	1.8	79.7	12.5	4.78
1990–1991	81	172	8636	2.1	50.2	19.9	7.27
1991–1992	134	237	16863	1.8	71.2	14.1	8.50
1992–1993	148	232	17631	1.6	76.0	13.2	9.95
1993–1994	143	238	44779	1.7	188.1	5.3	7.18
1994–1995	182	327	25082	1.8	76.7	13.0	13.93
1995–1996	133	276	12869	2.1	46.6	21.4	10.52
1996–1997	118	222	11897	1.9	53.6	18.7	13.01
1997–1998	98	271	22378	2.7	82.6	12.1	6.59
1998–1999	135	318	37220	2.4	117.0	8.5	16.96
1999–2000	177	433	27896	2.4	64.4	15.5	13.04
2000–2001	189	450	65997	2.4	146.7	6.8	17.18
2001–2002	137	275	79151	2.0	287.8	3.5	15.60
2002–2003	234	541	89476	2.3	165.4	6.0	13.73
2003–2004	223	453	154343	2.0	340.7	2.9	18.72
2004–2005	203	432	79629	2.1	184.3	5.4	13.66
2005–2006	70	120	38838	1.7	323.7	3.1	15.02
2006-2007	187	—	—	—	—	—	18.07
2007-2008	171	275	26850	1.6	97.6	10.2	14.14
2008-2009	146	287	80871	2.0	281.8	3.5	17.41
Average	170	372	55999	2.2	150.5	6.6	11.28

Statewide badger harvest trends, Utah 1983–2009.



Badger harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Badgers / trapper	Set-days / badger	Badgers / 1000 set-days
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	8	22	25	112	149	729	1.1	29.2	34.3
Iron	3	8	67	17	84	168	8.4	2.5	398.8
Juab	3	8	8	17	383	1139	1.0	142.4	7.0
Millard	1	3	3	126	359	16143	1.0	5381.0	0.2
Tooele	9	25	28	38	50	114	1.1	4.1	245.6
Great Basin totals	24	67	131	310	1025	18293	2.0	139.6	7.2
Cache	1	3	3	3	6	6	1.0	2.0	500.0
Davis	0	—	—	—	—	—	—	—	—
Morgan	0	—	—	—	—	—	—	—	—
Piute	2	6	17	67	308	1345	2.8	79.1	12.6
Rich	2	6	22	59	124	3110	3.7	141.4	7.1
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	3	8	8	8	17	17	1.0	2.1	470.6
Sevier	0	—	—	—	—	—	—	—	—
Summit	0	—	—	—	—	—	—	—	—
Utah	1	3	3	3	20	20	1.0	6.7	150.0
Wasatch	1	3	3	30	62	1555	1.0	518.3	1.9
Weber	0	—	—	—	—	—	—	—	—
Rocky Mountain totals	10	28	56	170	536	6053	2.0	108.1	9.3
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	2	6	11	112	336	6726	1.8	611.5	1.6
Uintah	4	11	31	673	527	36323	2.8	1171.7	0.9
Uintah Basin totals	6	17	42	785	863	43049	2.5	1025.0	1.0
Carbon	0	—	—	—	—	—	—	—	—
Emery	3	8	22	89	186	4666	2.8	212.1	4.7
Garfield	1	3	6	34	84	1009	2.0	168.2	5.9
Grand	1	3	3	30	62	1555	1.0	518.3	1.9
Kane	0	—	—	—	—	—	—	—	—
San Juan	2	6	6	59	196	3110	1.0	518.3	1.9
Washington	0	—	—	—	—	—	—	—	—
Wayne	2	6	8	59	252	3110	1.3	388.8	2.6
Colorado Plateau totals	9	25	45	271	780	13451	1.8	298.9	3.3
Unknown	3	8	13	8	17	25	1.6	1.9	520.0
Statewide totals*	52	146	287	1544	3222	80871	2.0	281.8	3.5

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

## MARTEN

### Statewide marten harvest statistics, Utah 1983–1999.

Trap year	Trappers afield	Harvest	Set-days	Martens / trapper	Set-days / marten	Martens / 1000 set-days	Pelt price (\$)
1982–1983	1	1	6	1.0	6.0	166.7	10.00
1983–1984	9	84	4704	9.5	56.0	17.9	20.00
1984–1985	9	12	6516	1.4	543.0	1.8	24.00
1985–1986	10	121	7381	11.6	61.0	16.4	23.00
1986–1987	11	22	8558	2.0	389.0	2.6	25.68
1987–1988	10	50	9750	5.0	195.0	5.1	40.00
1988–1989	6	10	1210	1.7	121.0	8.3	31.00
1989–1990	—	—	—	—	—	—	—
1990–1991	—	—	—	—	—	—	—
1991–1992	—	—	—	—	—	—	—
1992–1993	—	—	—	—	—	—	—
1993–1994	—	—	—	—	—	—	—
1994–1995	—	—	—	—	—	—	—
1995–1996	—	—	—	—	—	—	—
1996–1997	13	2	—	0.2	—	—	20.00
1997–1998	—	—	—	—	—	—	11.00
1998–1999	12	6	1228	0.5	204.7	4.9	7.11
Average	9	34	4919	3.8	143.7	7.0	21.18

### Statewide marten harvest statistics, Utah 2000–2009.

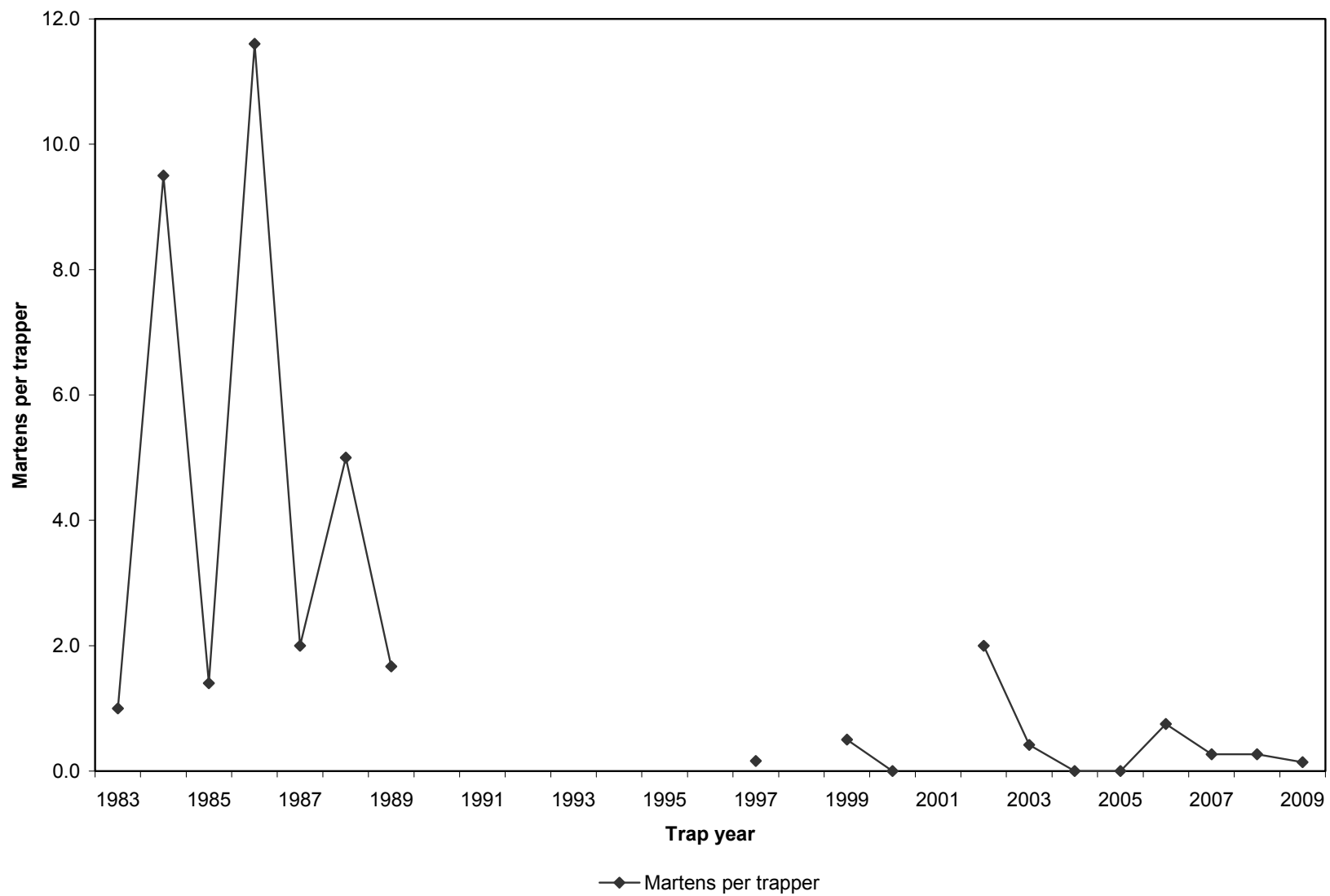
Trap year	Permits sold	Successful trappers	Male harvest	Female harvest	Total harvest	Success rate (%)**	Martens / trapper**
1999–2000	5	0	0	0	0	0.0	0.0
2000–2001	—	1	3	3	6	—	—
2001–2002	11	2	16	6	22	18.2	2.0
2002–2003	12	1	3	2	5	8.3	0.4
2003–2004	18	0	0	0	0	0.0	0.0
2004–2005	12	0	0	0	0	0.0	0.0
2005–2006*	16	2	7	4	12	12.5	0.8
2006–2007	26	3	6	1	7	11.5	0.3
2007–2008	22	4	7	14	21	18.2	1.0
2008–2009	28	1	2	2	4	3.6	0.1
Average	17	1	5	3	0	8	8.0

\*Includes one marten harvested of unknown sex.

\*\*Assumption: Every person who possessed a marten permit trapped or hunted.



Statewide marten harvest trends, Utah 1983–2009.

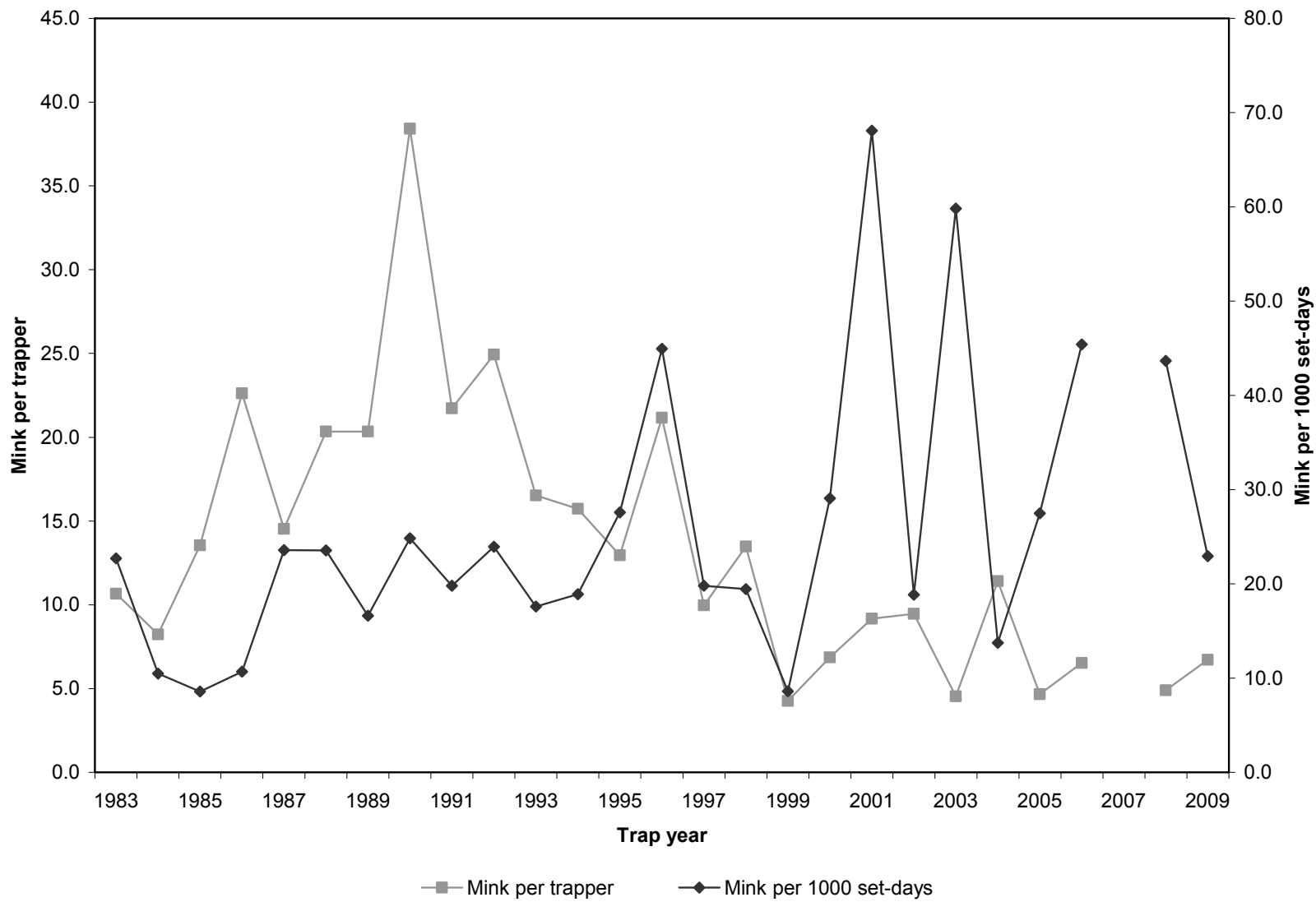


# MINK

## Statewide mink harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Mink / trapper	Set-days / mink	Mink / 1000 set-days	Pelt price (\$)
1982–1983	38	405	17841	10.7	44.1	22.7	10.85
1983–1984	46	379	36144	8.2	95.4	10.5	9.13
1984–1985	40	542	63252	13.6	116.7	8.6	10.27
1985–1986	37	837	78306	22.6	93.6	10.7	6.00
1986–1987	57	828	35135	14.5	42.4	23.6	10.63
1987–1988	51	1037	44030	20.3	42.5	23.6	12.25
1988–1989	42	854	51361	20.3	60.1	16.6	10.69
1989–1990	29	1114	44850	38.4	40.3	24.8	6.30
1990–1991	25	543	27406	21.7	50.5	19.8	6.33
1991–1992	29	723	30219	24.9	41.8	23.9	6.81
1992–1993	23	380	21615	16.5	56.9	17.6	7.50
1993–1994	30	472	24958	15.7	52.9	18.9	8.41
1994–1995	27	350	12695	13.0	36.3	27.6	8.38
1995–1996	25	529	11767	21.2	22.2	45.0	10.40
1996–1997	27	269	13583	10.0	50.5	19.8	10.95
1997–1998	25	337	17339	13.5	51.5	19.4	5.81
1998–1999	81	345	40110	4.3	116.3	8.6	7.11
1999–2000	61	419	14408	6.9	34.4	29.1	6.07
2000–2001	51	468	6875	9.2	14.7	68.1	4.92
2001–2002	30	284	15076	9.5	53.1	18.8	5.20
2002–2003	59	268	4481	4.5	16.7	59.8	2.07
2003–2004	59	673	49004	11.4	72.8	13.7	8.00
2004–2005	68	317	11540	4.7	36.4	27.5	8.98
2005–2006	34	222	4888	6.5	22.0	45.4	9.97
2006-2007	65	—	—	—	—	—	7.94
2007-2008	38	186	4260	4.9	22.9	43.7	9.33
2008-2009	36	242	10548	6.7	43.6	22.9	5.96
Average	42	501	26604	11.9	53.1	18.8	8.01

Statewide mink harvest trends, Utah 1983–2009.



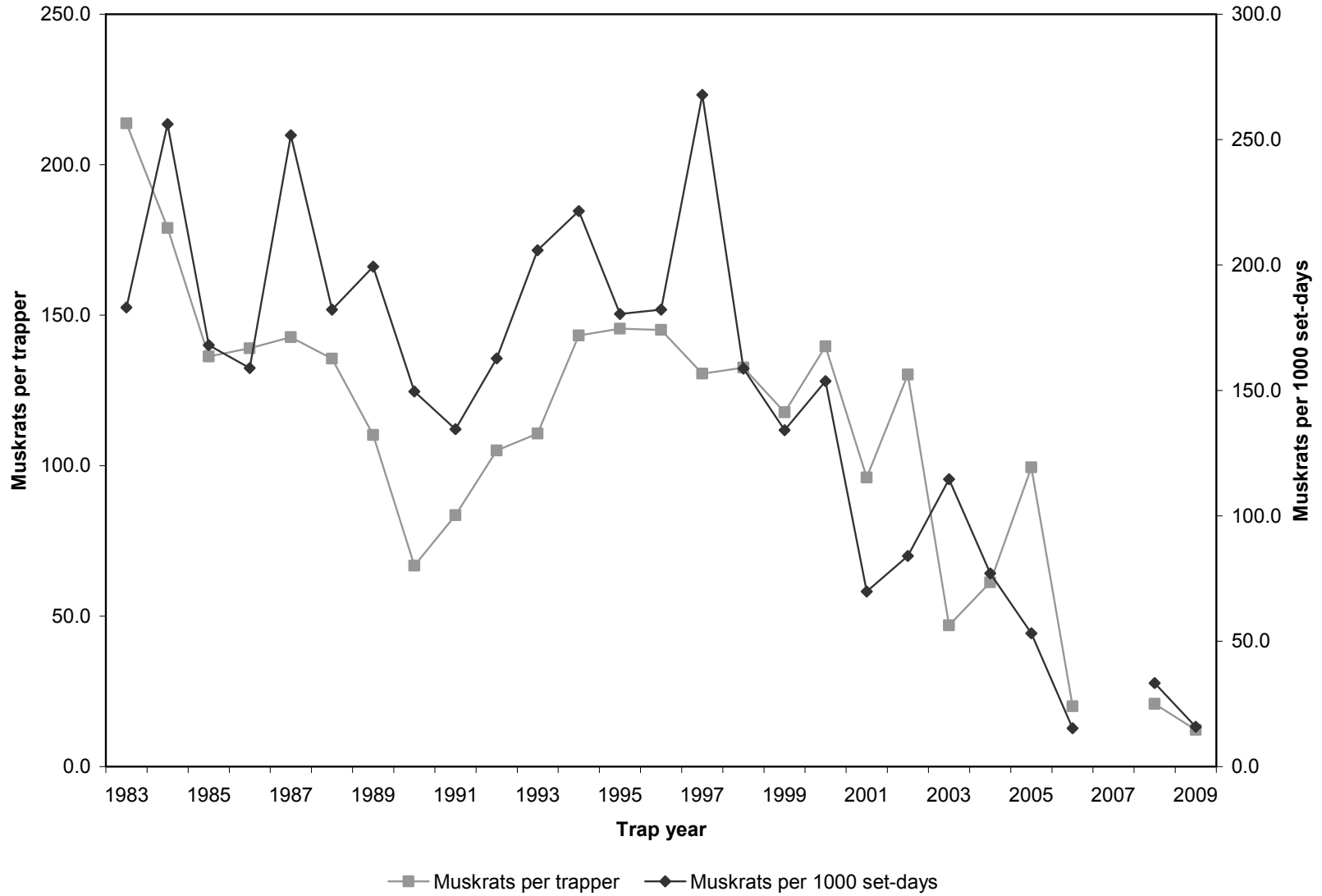
# MUSKRAT

Statewide muskrat harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Muskrats / trapper	Set-days / muskrat	Muskrats / 1000 set-days	Pelt price (\$)
1982–1983	258	55137	301146	213.7	5.5	183.1	2.16
1983–1984	309	55298	215836	179.0	3.9	256.2	2.46
1984–1985	400	54526	324435	136.3	6.0	168.1	2.45
1985–1986	282	39195	246641	139.0	6.3	158.9	1.86
1986–1987	416	59368	235861	142.7	4.0	251.7	2.66
1987–1988	432	58560	321448	135.6	5.5	182.2	2.46
1988–1989	303	33400	167542	110.2	5.0	199.4	1.40
1989–1990	253	16898	112946	66.8	6.7	149.6	0.89
1990–1991	85	7102	52769	83.6	7.4	134.6	0.91
1991–1992	186	19547	120128	105.1	6.1	162.7	1.60
1992–1993	105	11623	56443	110.7	4.9	205.9	1.18
1993–1994	157	22488	101514	143.2	4.5	221.5	1.89
1994–1995	195	28369	157144	145.5	5.5	180.5	1.74
1995–1996	181	26260	144096	145.1	5.5	182.2	2.09
1996–1997	179	23371	87251	130.6	3.7	267.9	3.59
1997–1998	203	26907	169547	132.5	6.3	158.7	2.01
1998–1999	186	21895	163222	117.7	7.5	134.1	1.73
1999–2000	151	21086	137152	139.6	6.5	153.7	1.00
2000–2001	108	10376	148608	96.1	14.3	69.8	1.58
2001–2002	115	14979	178362	130.3	11.9	84.0	2.60
2002–2003	135	6334	55261	46.9	8.7	114.6	1.59
2003–2004	176	10777	139915	61.2	13.0	77.0	1.57
2004–2005	151	15016	282593	99.4	18.8	53.1	1.57
2005–2006*	41	824	—	20.1	65.5	15.3	3.97
2006–2007	81	—	—	—	—	—	3.31
2007–2008	80	1665	49940	20.9	30.0	33.3	3.04
2008–2009	98	1198	75114	12.2	62.7	15.9	2.49
Average	195	24700	161797	126.6	6.6	152.7	2.07

\*Due to outliers in the data, statewide set-days could not be calculated. Set-days per fox and foxes per 1000 set-days were calculated after removing outliers.

Statewide muskrat harvest trends, Utah 1983–2009.



Muskrat harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Badgers / trapper	Set-days / badger	Badgers / 1000 set-days
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	4	11	112	81	153	1087	10.2	9.7	103.0
Iron	0	—	—	—	—	—	—	—	—
Juab	0	—	—	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	4	11	112	81	153	1087	10.2	9.7	103.0
Cache	9	25	213	520	879	25548	8.5	119.9	8.3
Davis	1	3	22	42	168	2522	7.3	114.6	8.7
Morgan	1	3	36	17	39	235	12.0	6.5	153.2
Piute	1	3	98	56	84	1682	32.7	17.2	58.3
Rich	3	8	177	123	126	2192	22.1	12.4	80.7
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	1	3	3	40	76	1977	1.0	659.0	1.5
Sevier	2	6	64	107	188	5202	10.7	81.3	12.3
Summit	0	—	—	—	—	—	—	—	—
Utah	2	6	11	28	87	465	1.8	42.3	23.7
Wasatch	0	—	—	—	—	—	—	—	—
Weber	6	17	299	315	851	31379	17.6	104.9	9.5
Rocky Mountain totals	26	73	923	1249	2498	71202	12.6	77.1	13.0
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	2	6	73	62	98	1149	12.2	15.7	63.5
Uintah	3	8	76	123	67	1536	9.5	20.2	49.5
Uintah Basin totals	5	14	149	185	165	2685	10.6	18.0	55.5
Carbon	0	—	—	—	—	—	—	—	—
Emery	2	6	6	11	36	73	1.0	12.2	82.2
Garfield	0	—	—	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—	—	—
Kane	1	3	8	8	22	67	2.7	8.4	119.4
San Juan	0	—	—	—	—	—	—	—	—
Washington	0	—	—	—	—	—	—	—	—
Wayne	0	—	—	—	—	—	—	—	—
Colorado Plateau totals	3	8	14	20	59	140	1.8	10.0	100.0
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	35	98	1198	1535	2875	75114	12.2	62.7	15.9

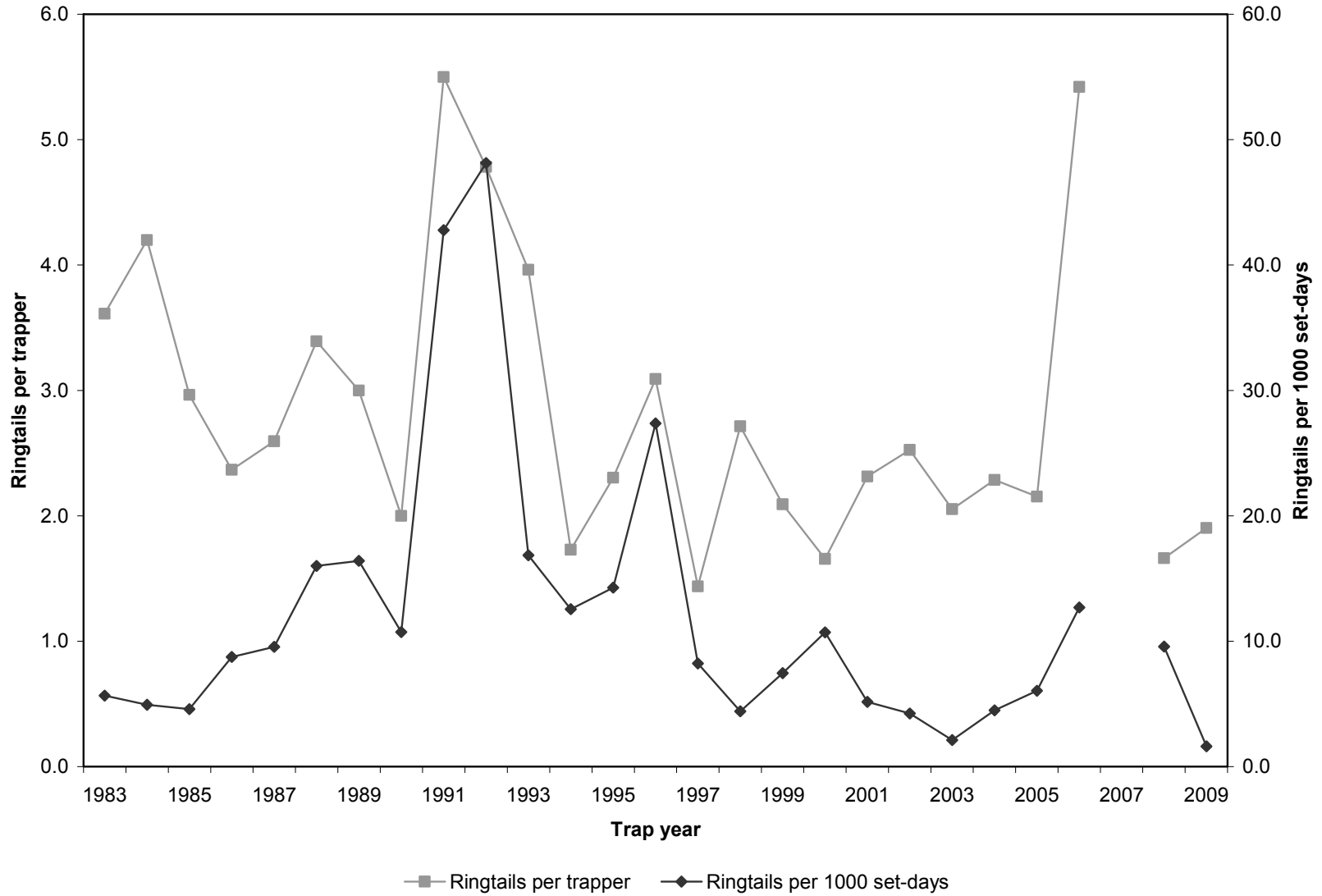
\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

## RINGTAIL

Statewide ringtail harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Ringtails / trapper	Set-days / ringtail	Ringtails / 1000 set-days	Pelt price (\$)
1982–1983	90	325	57319	3.6	176.4	5.7	4.40
1983–1984	90	378	76599	4.2	202.6	4.9	3.96
1984–1985	85	252	54987	3.0	218.2	4.6	3.15
1985–1986	68	161	18398	2.4	114.3	8.8	2.69
1986–1987	79	205	21456	2.6	104.7	9.6	3.64
1987–1988	79	268	16748	3.4	62.5	16.0	2.40
1988–1989	62	186	11335	3.0	60.9	16.4	5.70
1989–1990	66	132	12313	2.0	93.3	10.7	2.65
1990–1991	18	99	2314	5.5	23.4	42.8	3.50
1991–1992	46	220	4570	4.8	20.8	48.1	3.22
1992–1993	27	107	6349	4.0	59.3	16.9	3.97
1993–1994	37	64	5096	1.7	79.6	12.6	4.04
1994–1995	69	159	11141	2.3	70.1	14.3	6.41
1995–1996	44	136	4970	3.1	36.5	27.4	6.96
1996–1997	32	46	5597	1.4	121.7	8.2	11.68
1997–1998	21	57	12919	2.7	226.6	4.4	2.99
1998–1999	66	138	18510	2.1	134.1	7.5	4.17
1999–2000	61	101	9432	1.7	93.4	10.7	7.03
2000–2001	51	118	22886	2.3	193.9	5.2	6.00
2001–2002	40	101	23803	2.5	235.7	4.2	10.29
2002–2003	56	115	54456	2.1	473.5	2.1	5.20
2003–2004	42	96	21380	2.3	222.7	4.5	6.83
2004–2005	59	127	20966	2.2	165.1	6.1	11.12
2005–2006	19	103	8115	5.4	78.8	12.7	9.31
2006-2007	98	—	—	—	—	—	12.37
2007-2008	65	108	11279	1.7	104.4	9.6	14.86
2008-2009	31	59	36618	1.9	620.6	1.6	10.70
Average	56	149	21137	2.7	142.3	7.0	6.27

Statewide ringtail harvest trends, Utah 1983–2009.





# SKUNK

Statewide skunk harvest statistics, Utah 1983–2005.

Trap year	Trappers afield	Harvest	Set-days	Skunks / trapper	Set-days / skunk	Skunks / 1000 set-days	Pelt price (\$)
1982–1983	140	1540	30862	11.0	20.0	49.9	3.00
1983–1984	144	1262	57379	8.8	45.5	22.0	2.85
1984–1985	111	1097	47084	9.9	42.9	23.3	2.17
1985–1986	195	1741	59745	8.9	34.3	29.1	—
1986–1987	188	1851	42416	9.8	22.9	43.6	—
1987–1988	185	2404	34235	13.0	14.2	70.2	1.05
1988–1989	132	966	18409	7.3	19.1	52.5	0.30
1989–1990	173	1289	20279	7.5	15.7	63.6	0.30
1990–1991	82	645	8183	7.9	12.7	78.8	0.30
1991–1992	151	1037	18802	6.9	18.1	55.2	4.00
1992–1993	132	922	29638	7.0	32.1	31.1	5.30
1993–1994	175	1465	23185	8.4	15.8	63.2	7.35
1994–1995	183	1438	24744	7.9	17.2	58.1	9.29
1995–1996	175	1753	20650	10.0	11.8	84.9	6.63
1996–1997	142	1726	25728	12.2	14.9	67.1	6.00
1997–1998	182	2890	36040	15.9	12.5	80.2	4.11
1998–1999	219	3227	58578	14.7	18.2	55.1	5.67
1999–2000	188	2730	52166	14.5	19.1	52.3	8.50
2000–2001	220	3857	113545	17.5	29.4	34.0	8.69
2001–2002	214	1798	100936	8.4	56.1	17.8	6.79
2002–2003	237	1732	72927	7.3	42.1	23.7	4.24
2003–2004	295	2305	119328	7.8	51.8	19.3	10.00
2004–2005	280	4264	148611	15.2	34.9	28.7	4.64
Average	180	1910	50586	10.6	26.5	37.8	4.82

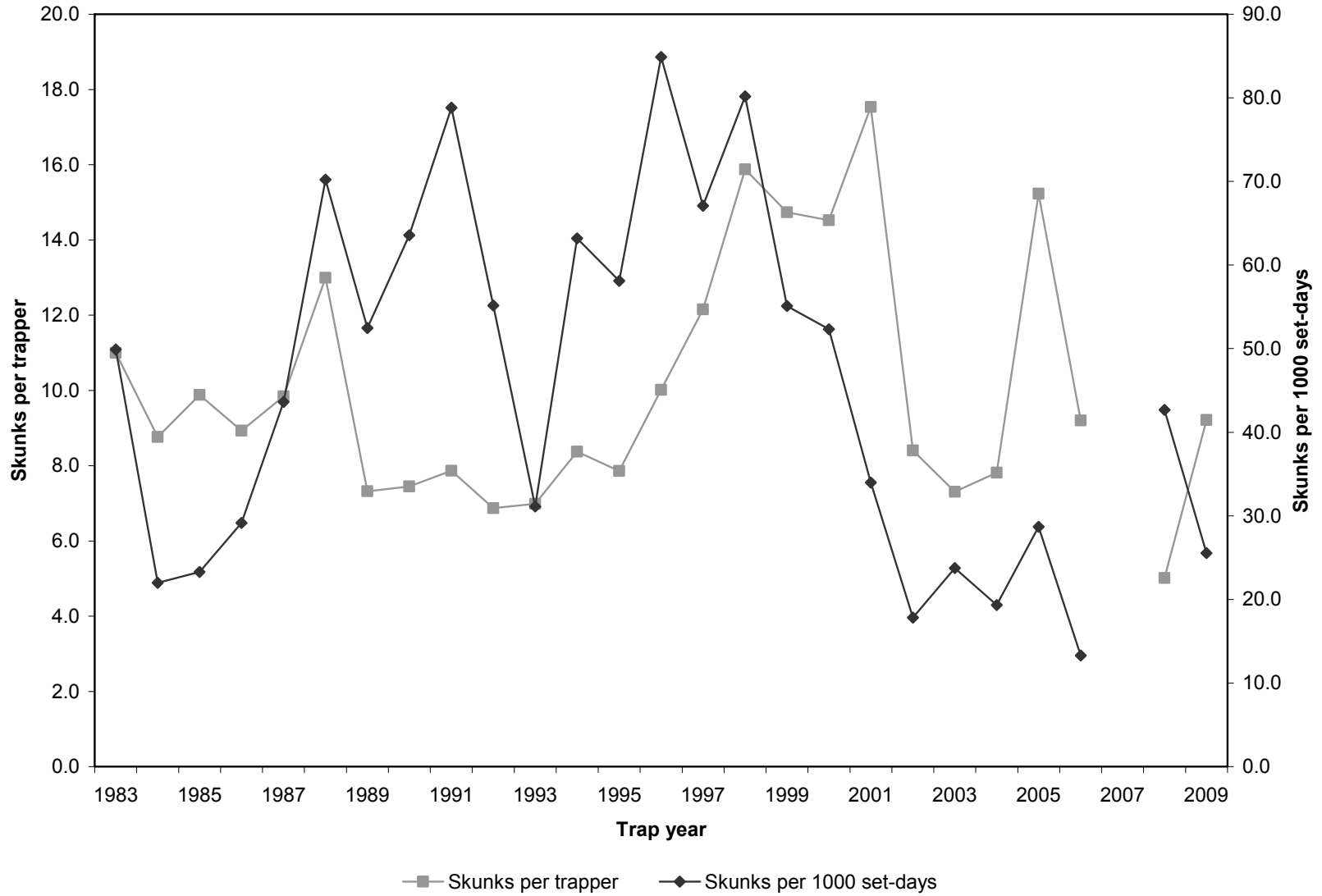
Statewide striped skunk harvest statistics, Utah 2006–2009.

Trap year	Trappers afield	Harvest	Set-days	Skunks / trapper	Set-days / skunk	Skunks / 1000 set-days	Pelt price (\$)
2005–2006	95	1043	82551	11.0	79.1	12.6	5.37
2006-2007	138	—	—	—	—	—	6.07
2007-2008	144	848	20699	5.9	24.4	41.0	4.52
2008-2009	143	1697	61563	11.9	36.3	27.6	3.15
Average	130	1196	54938	9.2	45.9	21.8	4.78

Statewide spotted skunk harvest statistics, Utah 2006–2009.

Trap year	Trappers afield	Harvest	Set-days	Skunks / trapper	Set-days / skunk	Skunks / 1000 set-days	Pelt price (\$)
2005–2006	34	144	6797	4.2	47.2	21.2	5.37
2006-2007	106	—	—	—	—	—	12.42
2007-2008	34	45	231	1.3	5.1	194.8	12.07
2008-2009	67	238	14179	3.6	59.6	16.8	8.00
Average	60	142	7069	2.4	49.7	20.1	9.47

Statewide skunk harvest trends, Utah 1983–2009.



Striped skunk harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Skunks / trapper	Set-days / skunk	Skunks / 1000 set-days
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	6	17	283	202	684	5247	16.6	18.5	53.9
Iron	0	—	—	—	—	—	—	—	—
Juab	2	6	199	56	332	2280	33.2	11.5	87.3
Millard	0	—	—	—	—	—	—	—	—
Tooele	2	6	31	6	2046	2046	5.2	66.0	15.2
Great Basin totals	10	28	513	263	3062	9573	18.3	18.7	53.6
Cache	6	17	225	181	610	5390	13.2	24.0	41.7
Davis	2	6	6	6	17	17	1.0	2.8	352.9
Morgan	1	3	31	28	166	1140	10.3	36.8	27.2
Piute	1	3	28	14	84	420	9.3	15.0	66.7
Rich	1	3	6	28	166	1140	2.0	190.0	5.3
Salt Lake	2	6	34	22	6	22	5.7	0.6	1545.5
Sanpete	2	6	224	17	504	1513	37.3	6.8	148.1
Sevier	3	8	78	84	252	2522	9.8	32.3	30.9
Summit	0	—	—	—	—	—	—	—	—
Utah	6	17	121	84	235	2024	7.1	16.7	59.8
Wasatch	0	—	—	—	—	—	—	—	—
Weber	5	14	202	280	420	8408	14.4	41.6	24.0
Rocky Mountain totals	29	81	955	744	2461	22597	11.8	23.7	42.3
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	3	8	36	83	498	3420	4.5	95.0	10.5
Uintah	3	8	14	50	498	3420	1.8	244.3	4.1
Uintah Basin totals	6	17	50	134	996	6840	2.9	136.8	7.3
Carbon	0	—	—	—	—	—	—	—	—
Emery	3	8	121	25	1513	4540	15.1	37.5	26.7
Garfield	2	6	11	56	332	2280	1.8	207.3	4.8
Grand	0	—	—	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—	—	—
San Juan	1	3	8	28	98	1140	2.7	142.5	7.0
Washington	2	6	8	224	336	13453	1.3	1681.6	0.6
Wayne	0	—	—	—	—	—	—	—	—
Colorado Plateau totals	8	22	148	333	2280	21413	6.7	144.7	6.9
Unknown	1	3	31	28	166	1140	10.3	36.8	27.2
Statewide totals*	51	143	1697	1501	8964	61563	11.9	36.3	27.6

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

Spotted skunk harvest statistics by county and management unit, Utah 2009.

County	n	Trappers afield	Harvest	Traps set	Trapping days	Set-days	Skunks / trapper	Set-days / skunk	Skunks / 1000 set-days
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	2	6	8	86	193	1182	1.3	147.8	6.8
Iron	2	6	6	6	6	6	1.0	1.0	1000.0
Juab	0	—	—	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	4	11	14	92	198	1187	1.3	84.8	11.8
Cache	0	—	—	—	—	—	—	—	—
Davis	0	—	—	—	—	—	—	—	—
Morgan	0	—	—	—	—	—	—	—	—
Piute	1	3	3	43	96	591	1.0	197.0	5.1
Rich	0	—	—	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	1	3	10	43	96	591	3.3	59.1	16.9
Sevier	1	3	6	6	39	78	2.0	13.0	76.9
Summit	0	—	—	—	—	—	—	—	—
Utah	0	—	—	—	—	—	—	—	—
Wasatch	0	—	—	—	—	—	—	—	—
Weber	0	—	—	—	—	—	—	—	—
Rocky Mountain totals	3	8	19	92	232	1260	2.4	66.3	15.1
Daggett	2	6	3	86	193	1182	0.5	394.0	2.5
Duchesne	2	6	39	86	193	1182	6.5	30.3	33.0
Uintah	3	8	39	311	289	1772	4.9	45.4	22.0
Uintah Basin totals	7	20	81	483	674	4136	4.1	51.1	19.6
Carbon	1	3	3	43	96	591	1.0	197.0	5.1
Emery	3	8	11	129	8	1772	1.4	161.1	6.2
Garfield	1	3	3	43	96	591	1.0	197.0	5.1
Grand	2	6	95	22	717	2870	15.8	30.2	33.1
Kane	0	—	—	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—	—	—
Washington	1	3	6	43	96	591	2.0	98.5	10.2
Wayne	0	—	—	—	—	—	—	—	—
Colorado Plateau totals	8	22	118	281	1015	6415	5.4	54.4	18.4
Unknown	2	6	6	86	193	1182	1.0	197.0	5.1
Statewide totals*	24	67	238	1034	2312	14179	3.6	59.6	16.8

\*Statewide totals for sample size and trappers afield are not totals of the columns because trappers trapped multiple counties.

## WEASEL

Statewide weasel harvest statistics, Utah 1983–2009.

Trap year	Trappers afield	Harvest	Set-days	Weasels / trapper	Set-days / weasel	Weasels / 1000 set-days	Pelt price (\$)
1982–1983	19	59	959	3.1	16.3	61.5	1.00
1983–1984	22	33	3872	1.5	117.3	8.5	0.00
1984–1985	46	75	7956	1.6	106.1	9.4	0.75
1985–1986	33	67	9992	2.0	149.1	6.7	0.00
1986–1987	50	123	5205	2.5	42.3	23.6	1.50
1987–1988	61	212	5874	3.5	27.7	36.1	1.18
1988–1989	24	91	791	3.8	8.7	115.0	0.25
1989–1990	25	33	5492	1.3	166.4	6.0	0.25
1990–1991	14	31	1248	2.2	40.3	24.8	0.30
1991–1992	17	19	168	1.1	8.8	113.1	0.30
1992–1993	24	28	284	1.2	10.1	98.6	0.30
1993–1994	20	31	208	1.6	6.7	149.0	5.11
1994–1995	18	13	15,451	0.7	1188.5	0.8	1.57
1995–1996	24	299	20,482	12.5	68.5	14.6	3.08
1996–1997	11	13	312	1.2	24.0	41.7	7.40
1997–1998	20	28	3101	1.4	110.8	9.0	3.03
1998–1999	15	33	5190	2.2	157.3	6.4	5.50
1999–2000	34	66	1058	1.9	16.0	62.4	—
2000–2001	36	155	5288	4.3	34.1	29.3	8.50
2001–2002	6	13	0	2.2	0.0	—	—
2002–2003	6	3	118	0.5	39.3	25.4	4.76
2003–2004	18	58	4215	3.2	72.7	13.8	—
2004–2005	25	85	1935	3.4	22.8	43.9	2.90
2005–2006	41	190	8172	4.6	43.0	23.3	—
2006–2007	49	—	—	—	—	—	6.26
2007–2008	11	15	585	1.3	39.0	25.6	2.99
2008–2009	14	11	245	0.8	22.3	44.9	—
Average	25	69	4162	2.7	60.7	16.5	2.59

Statewide weasel harvest trends, Utah 1983–2009.

