

# UTAH FURBEARER ANNUAL REPORT 2011-12



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# UTAH FURBEARER ANNUAL REPORT 2011–12

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Annual Performance Report for Federal Aid Project W-65-M, segment 60

State of Utah  
Department of Natural Resources  
DIVISION OF WILDLIFE RESOURCES

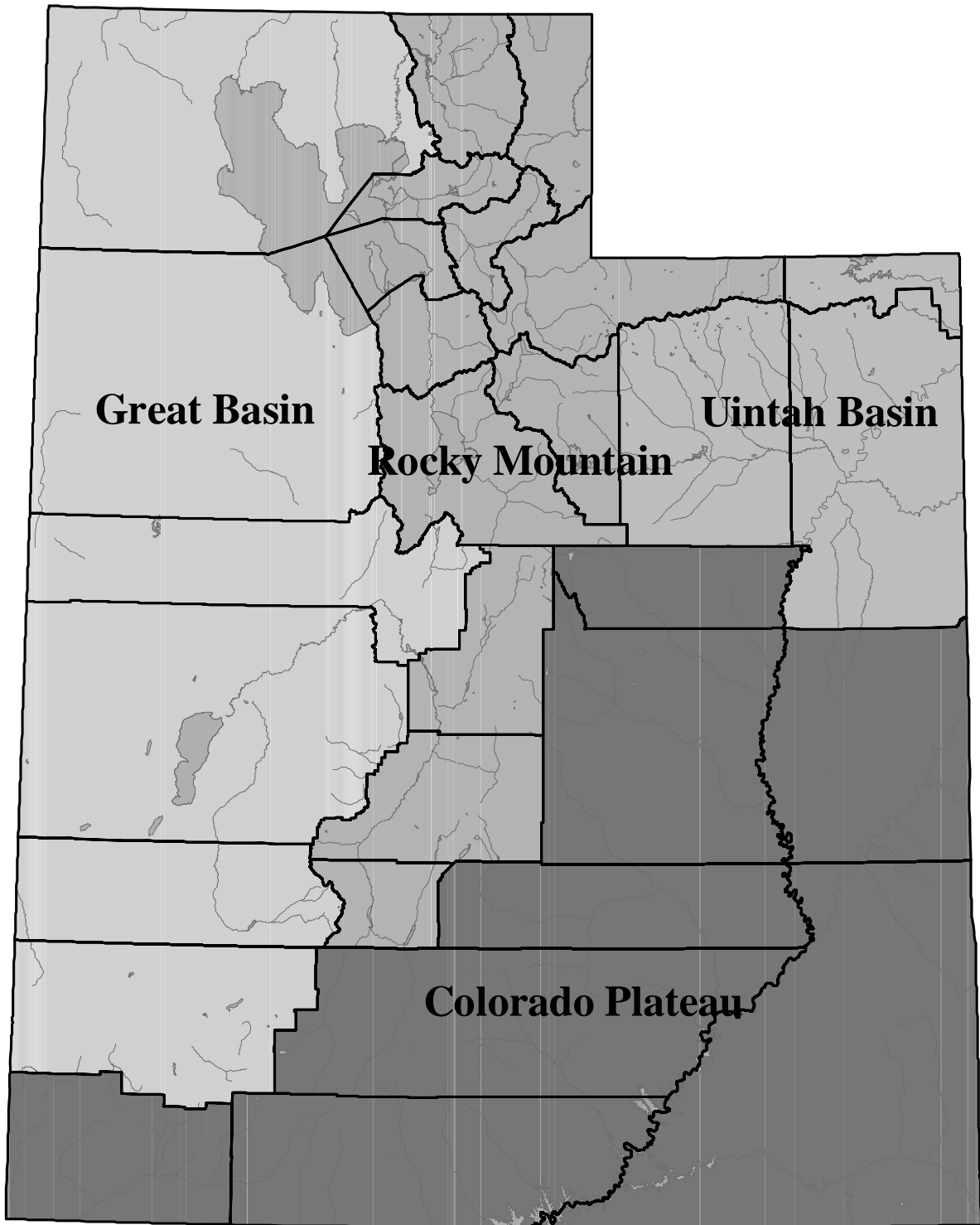
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**James F. Karpowitz**  
Director

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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:** Time frame corresponding to the 2011–12 furbearer seasons, as outlined in the 2011–12 Utah Furbearer Guidebook.

**Trappers afield:** 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.

**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, taken 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 2006–07, 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 2006–07, 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 60, grant agreement period October 1, 2011 through September 30, 2012. This Federal Aid project covers the 2011–12 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.

Furbearers include badger, beaver, bobcat, gray fox, kit fox, mink, marten, ringtail, spotted skunk, and weasel. A furbearer license is required to harvest any of these species, and an additional permit is required to harvest bobcat or marten. There are no bag limits for furbearers, except bobcats. The bag limit for bobcats in 2011-12 was 3 bobcats. Season dates for badger, gray fox, kit fox, marten, ringtail, spotted skunk, and weasel were October 1, 2011 through February 5, 2012. Bobcat season was December 1, 2011 through February 5, 2012. Season dates for beaver and mink were October 1, 2011 through April 9, 2012.

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.

## **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 bobcats, we determined the total number of bobcat trappers/hunters who 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.

## **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 per trapper, set-days per furbearer, and furbearers per 1,000 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.

## **Corrections and Clarifications**

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?" Prior to 2009–10, all incidental harvest was included in the total harvest and harvest effort statistics. In the 2009–10 and 2010–11 annual reports, incidental harvest was included in statewide summaries of total furbearer harvest, but not in species-specific tables. This omission in 2009–10 and 2010–11 caused some confusion because harvest totals did not match between tables. Furthermore, comparisons of species-specific trapping harvest with prior years' numbers were confounded. This annual report has been modified to include incidental harvest in species-specific statewide historical harvest tables, as well as split out hunt harvest from trapping harvest.

## **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. A total of 1,892 furbearer licenses were sold for the 2011–12 season. The percentage of license holders who bought a furbearer license but did not attempt to harvest furbearers was 33%. The number of trappers afield in 2011–12 was 1,261, which was slightly down from to the 10-yr average of 1,372.

### **Furbearer Harvest and Historical Trends**

The majority of the harvest taken by furbearer license holders in 2011–12 was of non-protected species—coyote, muskrat, raccoon, red fox, and striped skunk—and the total harvest of these species has fluctuated considerably over the last ten years. Total harvest of regulated furbearer species (i.e., species with designated trapping seasons) was 4,152 in 2011–12, which was down from the 10-yr average of 6,185. Harvest of regulated species has decreased slightly almost every year for the last ten years, with total harvest in 2011–12 that was 40% lower than that of 2002–03. In 2011–12, harvests of most furbearer species were below the 10-yr averages, with the exception of marten, muskrat, and spotted skunk, which were above.

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

The estimated economic value of Utah’s furbearer harvest in 2011–12 was \$1,046,146. Average pelt price was up for all furbearer species, except ringtail, skunks, and weasel, compared with 2010–11. For many furbearer species, average pelt price was higher in 2011–12 than it has been in any other year.



Summary of furbearer license sales and survey responses, Utah 1982–2012.

Trap year	Furbearer licenses sold			License holders sampled		Projection factor	% license holders not afield
	Resident	Nonresident	Total	Total	Percent (%)		
1982–83	—	—	1325	664	50.1	—	—
1983–84	—	—	1367	616	45.1	—	—
1984–85	—	—	1491	806	54.1	—	—
1985–86	—	—	1424	680	47.8	—	—
1986–87	—	—	1342	585	43.6	—	—
1987–88	—	—	1576	731	46.4	—	—
1988–89	—	—	1318	721	54.7	—	—
1989–90	—	—	1084	597	55.1	—	—
1990–91	—	—	949	513	54.1	—	30.0
1991–92	—	—	1210	689	56.9	—	2.2
1992–93	—	—	1426	857	60.1	—	16.0
1993–94	—	—	1315	—	—	—	—
1994–95	—	—	1287	585	45.5	—	7.0
1995–96	—	—	1240	683	55.1	—	21.2
1996–97	—	—	1131	606	53.6	—	25.4
1997–98	—	—	1190	498	41.8	—	19.5
1998–99	—	—	1191	395	33.2	—	19.8
1999–00	1172	39	1211	458	37.8	2.64	11.6
2000–01	1204	20	1224	420	34.3	2.91	12.4
2001–02	956	21	977	302	30.9	3.24	11.6
2002–03	1409	40	1449	514	35.5	2.82	16.3
2003–04	1729	47	1776	597	33.6	2.97	16.9
2004–05	1830	65	1895	615	32.5	3.08	18.2
2005–06*	1631	57	1688	260	15.4	6.49	27.7
2006–07	2029	81	2110	262	12.4	8.05	26.7
2007–08	2085	55	2140	563	26.3	3.80	31.8
2008–09	2045	57	2102	750	35.7	2.80	34.8
2009–10	1902	34	1936	798	41.2	2.43	30.2
2010–11	1788	29	1817	555	30.5	3.27	30.1
2011–12	1856	36	1892	531	28.1	3.56	33.3
Average	1664	45	1469	581	41.1	3.70	21.1

\*Starting in 2006, a telephone survey replaced the mail questionnaire. In 2010 only, the telephone harvest survey was supplemented with an additional Internet-based survey.

Statewide total furbearer harvest\* estimates by species, Utah 2002–2012.

Species	Trap year										Average 2002–12
	2002–03	2003–04	2004–05	2005–06	2006–07**	2007–08	2008–09	2009–10	2010–11	2011–12	
Badger	541	453	432	120	—	275	287	334	309	217	330
Beaver	1720	1781	2664	2239	—	745	1165	1910	1052	1026	1589
Bobcat	2176	2027	1954	2926	3377	2437	2062	1167	1002	1245	2037
Coyote	5446	6660	7173	4229	—	7637	6945	6674	8128	5296	6465
Gray fox	1942	1749	942	603	—	1093	1747	1392	907	1002	1264
Kit fox	302	638	259	183	—	39	104	51	45	110	192
Marten	5	0	0	12	7	21	4	2	36	14	10
Mink	268	673	317	222	—	186	242	395	636	221	351
Muskrat	6334	10777	15016	824	—	1665	1198	5505	7698	8266	6365
Raccoon	4001	5634	6405	3298	—	3990	2368	5018	5946	4141	4533
Red fox	4399	4639	4674	1874	—	1130	872	2657	2864	2273	2820
Ringtail	115	96	127	103	—	108	59	109	62	28	90
Skunk (total)	1732	2305	4264	—	—	—	—	—	—	—	2767
Spotted skunk	—	—	—	144	—	45	238	116	276	264	181
Striped skunk	—	—	—	1043	—	848	1697	3270	2733	1679	1878
Weasel	3	58	85	190	—	15	11	60	37	25	54

Prior to the 2005–06 trap season, spotted skunk and striped skunk harvest were not split out.

\*Total harvest includes incidental take.

\*\*Due to errors in the 2006–07 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 2011–12.

Species	Trappers afield	Trap harvest	Set-days	Set-days / furbearer	Furbearers / 1000 set-days	Furbearers / trapper	Pelt price (\$)
Badger	36	46	5573	120	8.3	1.3	20.44
Beaver	157	1008	39761	39	25.4	6.4	15.61
Bobcat	755	1094	437912	400	2.5	1.4	456.16
Coyote	705	3054	263525	86	11.6	8.4	43.43
Gray fox	103	474	58553	124	8.1	4.6	23.13
Kit fox	4	0	178	—	—	0.0	14.49
Marten	29	14	—	—	—	0.5	39.32
Mink	36	153	4817	31	31.8	4.3	15.08
Muskrat	150	7985	179779	23	44.4	53.4	7.28
Raccoon	228	3168	106855	34	29.6	13.9	7.77
Red fox	274	1757	148100	84	11.9	6.4	42.47
Ringtail	18	14	517	36	27.6	0.8	12.21
Spotted skunk	4	14	1924	135	7.4	4.0	8.25
Striped skunk	61	602	9268	15	65.0	9.9	4.55
Weasel	18	0	1831	—	0.0	0.0	4.58

\*Does not include incidental harvest.

Statewide furbearer hunting harvest by species, Utah 2011–12.

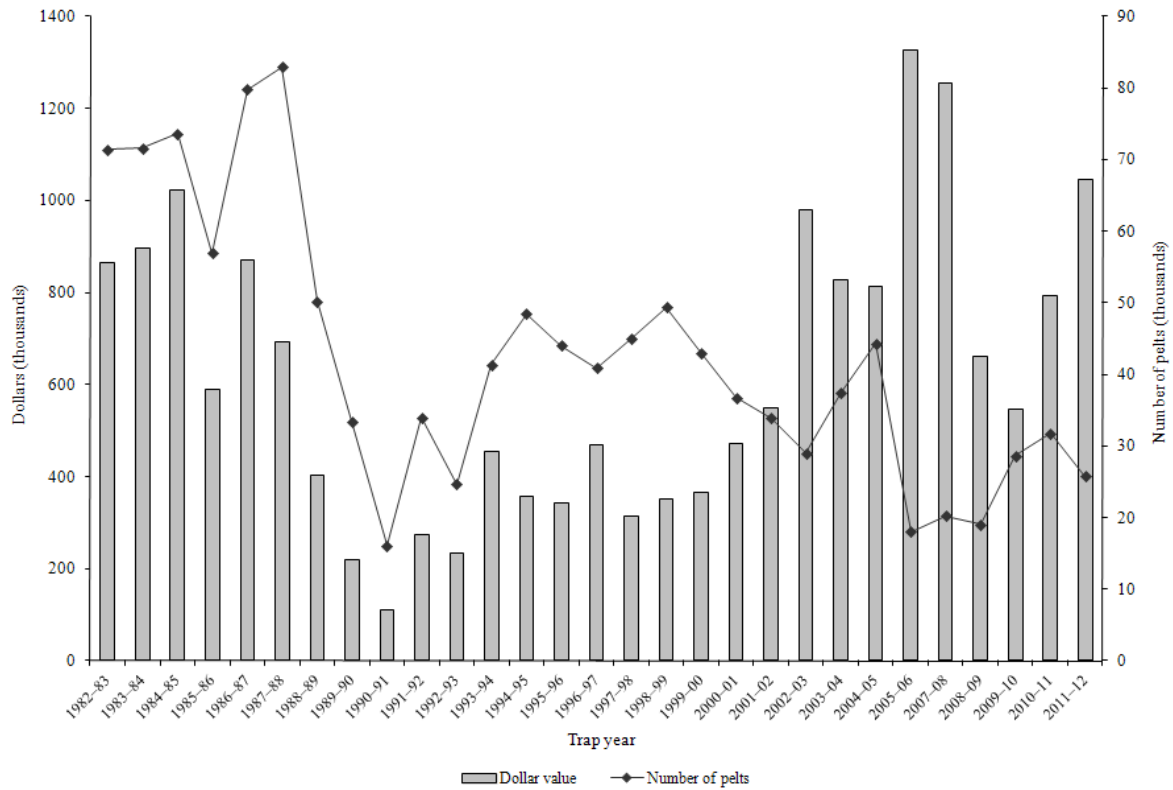
Species	Hunters afield	Hunt harvest	Hunting days	Days / furbearer	Furbearers / hunter
Badger	75	89	243	2.7	1.2
Bobcat	329	151	4146	27.5	0.5
Coyote	424	1868	8109	4.3	4.4
Gray fox	21	43	175	4.1	2.0
Kit fox	14	46	27	0.6	3.3
Mink	7	7	157	22.0	1.0
Raccoon	75	520	1544	3.0	7.0
Red fox	71	128	49	0.4	1.8
Spotted skunk	7	29	7	0.3	4.0

Number of furbearers harvested in traps set for other species, Utah 2011–12.

Species	Incidental harvest	Trap / hunt harvest	Total harvest	% incidental harvest
Badger	82	135	217	37.8
Beaver	18	1008	1026	1.8
Bobcat	43*	1245	1245	3.5
Coyote	374	4922	5296	7.1
Gray fox	485	517	1002	48.4
Kit fox	64	46	110	58.2
Marten	0	14	14	0.0
Mink	61	160	221	27.6
Muskrat	281	7985	8266	3.4
Raccoon	453	3688	4141	10.9
Red fox	388	1885	2273	17.1
Ringtail	14	14	28	50.0
Spotted skunk	221	43	264	83.7
Striped skunk	916	763	1679	54.6
Weasel	4	21	25	16.0
Total	3404	22446	25807	13.2

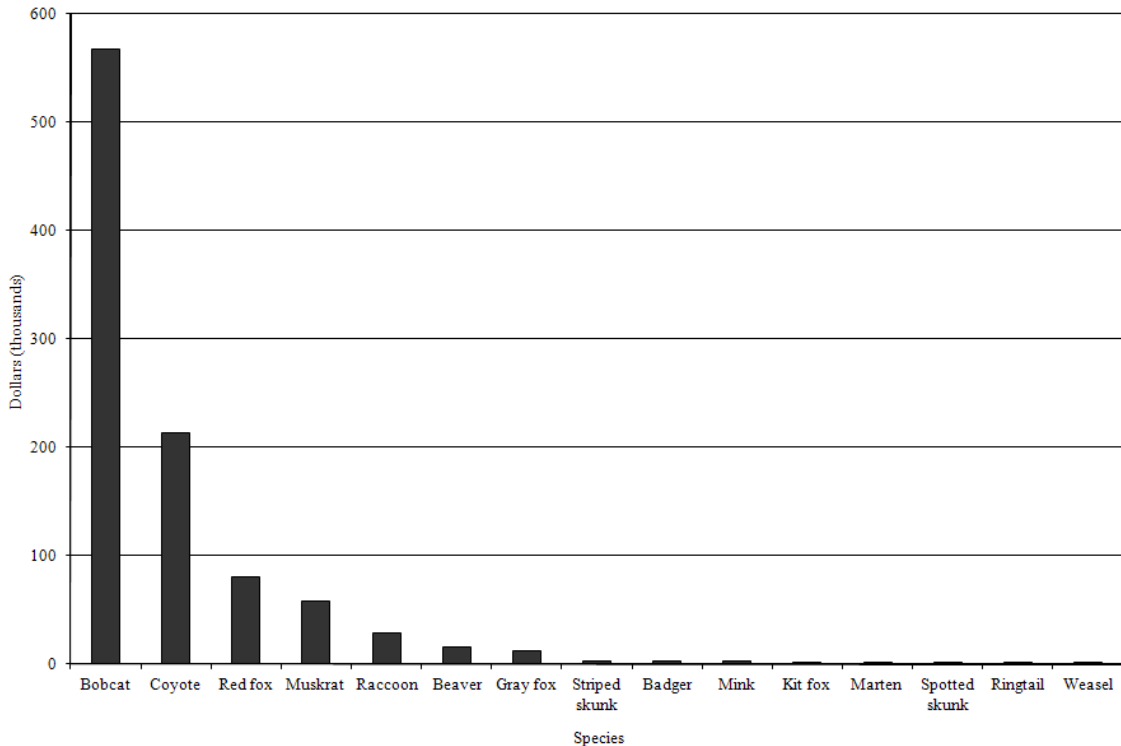
\*Incidental bobcat harvest is accounted for in trap harvest.

Estimated economic value of the furbearer harvest taken by trappers in Utah, 1982–2012.



\*No data available for 2007.

Proportional economic value of the furbearer harvest taken by trappers in Utah, by species, 2011–12.



Economic value\* (in dollars) of furbearer species in Utah's annual furbearer harvest, Utah 1982–2012.

Trap year	Species														Total economic value (\$)
	Badger	Beaver	Bobcat	Coyote	Gray fox	Kit fox	Marten	Mink	Muskrat	Raccoon	Red fox	Ringtail	Skunk	Weasel	
1982–83	5945	20418	434340	203240	37352	7244	10	4394	119096	10526	16391	1430	4620	59	865064
1983–84	4794	25211	498960	152358	34353	8369	1680	3460	136033	11105	14869	1497	3597	0	896285
1984–85	6794	43796	511464	193809	48147	7272	288	4948	133589	18208	32220	794	22126	56	1023511
1985–86	1964	47463	301410	95322	21147	4568	2783	5022	72903	13751	21386	433	0	0	588152
1986–87	3239	93684	316416	166417	36848	5415	565	8802	157919	30439	49262	746	0	185	869938
1987–88	2772	69184	250635	107590	35779	5751	2000	12703	144058	24645	34765	643	2524	250	693300
1988–89	1943	27264	230282	27104	14837	4488	310	9129	46760	23932	16070	1060	290	23	403492
1989–90	1749	40991	85986	28913	5825	1164	0	7018	15039	14242	17550	350	387	8	219223
1990–91	1250	10066	45849	20892	2060	869	0	3437	6463	5375	12636	347	194	9	109446
1991–92	2015	13338	100672	65100	2762	520	0	4924	31275	10729	39194	708	4148	6	275390
1992–93	2308	7399	105390	57740	2988	821	0	2850	13715	4757	31635	425	4887	8	234924
1993–94	1709	16888	148962	128971	8244	1412	0	3970	42502	15768	74511	259	10768	158	454120
1994–95	4555	32270	90536	65890	7417	3425	0	2933	49362	18332	67159	1019	13359	20	356277
1995–96	2904	20502	71241	67722	8818	1363	0	5502	54883	23516	74399	947	11622	613	344032
1996–97	2888	27474	127995	75238	4257	1097	0	2946	83902	56444	74710	537	10356	96	467939
1997–98	1786	39328	75138	34862	3019	336	0	1958	54083	49790	42345	170	11878	85	314778
1998–99	5393	27642	116859	46840	6055	1228	43	2453	37878	38437	50120	575	18297	182	352002
1999–00	5646	20093	118175	67181	6124	531	0	2543	21086	30147	69531	710	23205	—	364973
2000–01	7731	20557	187868	71461	9272	987	—	2303	16394	29298	90184	708	33517	1318	471598
2001–02	4290	18326	275534	70404	15355	1833	—	1477	38945	30431	78140	1039	12208	—	547983
2002–03	7428	16288	588238	177649	24217	1643	—	555	10071	22486	124008	598	7344	14	980538
2003–04	8480	25112	411826	171428	18959	3432	0	5384	16920	59889	83827	656	23050	0	828964
2004–05	5901	37056	433104	144177	13009	2326	0	2847	23575	41889	88152	1412	19785	247	813480
2005–06	1802	39742	1049147	128773	14562	1998	—	2213	3271	32419	45632	959	6374	—	1326894
2007–08	4970	13037	946596	166006	42838	307	—	1736	5067	43288	24200	1604	4375	45	1254069

\*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 2006–07. From 2001 to 2005, average striped skunk pelt price was used to calculate all skunk (spotted and striped) economic value.

Economic value\* (in dollars) of furbearer species in Utah's annual furbearer harvest, Utah 1982–2012 (cont.).

Trap year	Species														Total economic value (\$)
	Badger	Beaver	Bobcat	Coyote	Gray fox	Kit fox	Marten	Mink	Muskrat	Raccoon	Red fox	Ringtail	Skunk	Weasel	
2008–09	4996	15319	492186	75399	29816	791	—	1442	2988	14713	15676	631	7256	—	661214
2009–10	6458	22160	261073	98766	23047	483	—	3160	27148	35589	43366	1635	22895	458	546238
2010–11	5338	13421	369686	203226	19019	571	972	7170	41555	48575	64790	1173	18607	267	794368
2011–12	4435	16017	567920	230005	23177	1594	550	3333	60140	32162	96534	342	9823	114	1046146
Average	4189	28278	317706	108362	17907	2477	418	4159	50573	27272	51492	807	10603	169	624287

\*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.

## **HARVEST BY SPECIES**



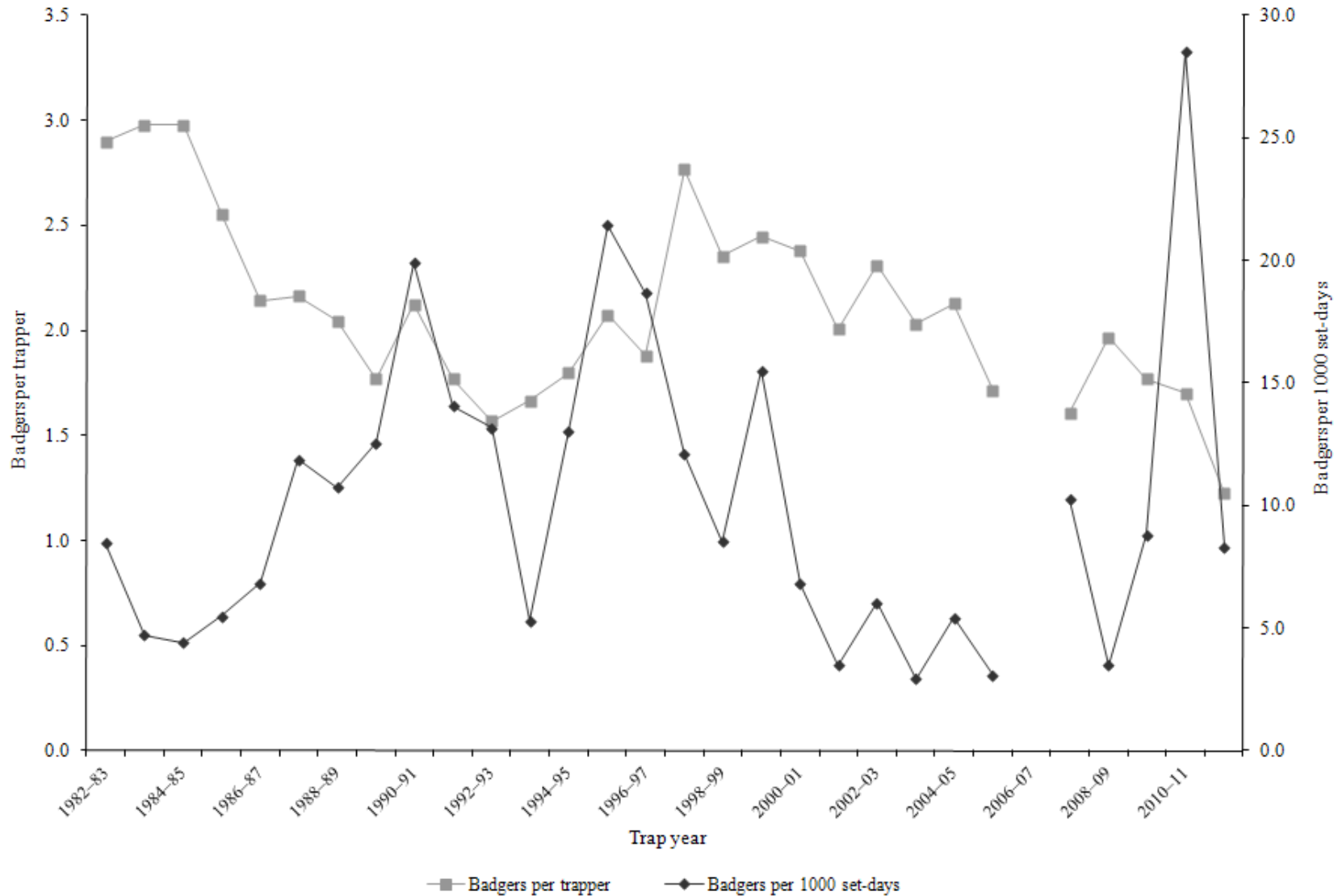
## BADGER

Statewide badger harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / badger	Badgers / 1000 set-days	Badgers / trapper	Pelt price (\$)
1982–83	250	—	725	—	118	8.5	2.9	8.20
1983–84	188	—	560	—	212	4.7	3.0	8.56
1984–85	225	—	670	—	227	4.4	3.0	10.14
1985–86	194	—	496	—	182	5.5	2.6	3.96
1986–87	198	—	424	—	146	6.8	2.1	7.64
1987–88	212	—	459	—	84	11.9	2.2	6.04
1988–89	204	—	417	—	93	10.7	2.0	4.66
1989–90	207	—	366	—	80	12.5	1.8	4.78
1990–91	81	—	172	—	50	19.9	2.1	7.27
1991–92	134	—	237	—	71	14.1	1.8	8.50
1992–93	148	—	232	—	76	13.2	1.6	9.95
1993–94	143	—	238	—	188	5.3	1.7	7.18
1994–95	182	—	327	—	77	13.0	1.8	13.93
1995–96	133	—	276	—	47	21.4	2.1	10.52
1996–97	118	—	222	—	54	18.7	1.9	13.01
1997–98	98	—	271	—	83	12.1	2.7	6.59
1998–99	135	—	318	—	117	8.5	2.4	16.96
1999–00	177	—	433	—	64	15.5	2.4	13.04
2000–01	189	—	450	—	147	6.8	2.4	17.18
2001–02	137	—	275	—	288	3.5	2.0	15.60
2002–03	234	—	541	—	165	6.0	2.3	13.73
2003–04	223	—	453	—	341	2.9	2.0	18.72
2004–05	203	—	432	—	184	5.4	2.1	13.66
2005–06	70	—	120	—	324	3.1	1.7	15.02
2006–07	187	—	—	—	—	—	—	18.07
2007–08	171	—	275	—	98	10.2	1.6	14.14
2008–09	146	—	287	—	282	3.5	2.0	17.41
2009–10	78	196	138	—	113	8.8	1.8	19.34
2010–11	115	115	194	—	35	28.5	1.7	17.27
2011–12	110	82	46	89	120	8.3	1.2	20.44
Average	163	131	347	89	140	10.1	2.1	12.05

\*Trappers and badgers per trapper include hunters and their harvest. Set-days per badger and badgers per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide badger harvest trends, Utah 1982–2012.

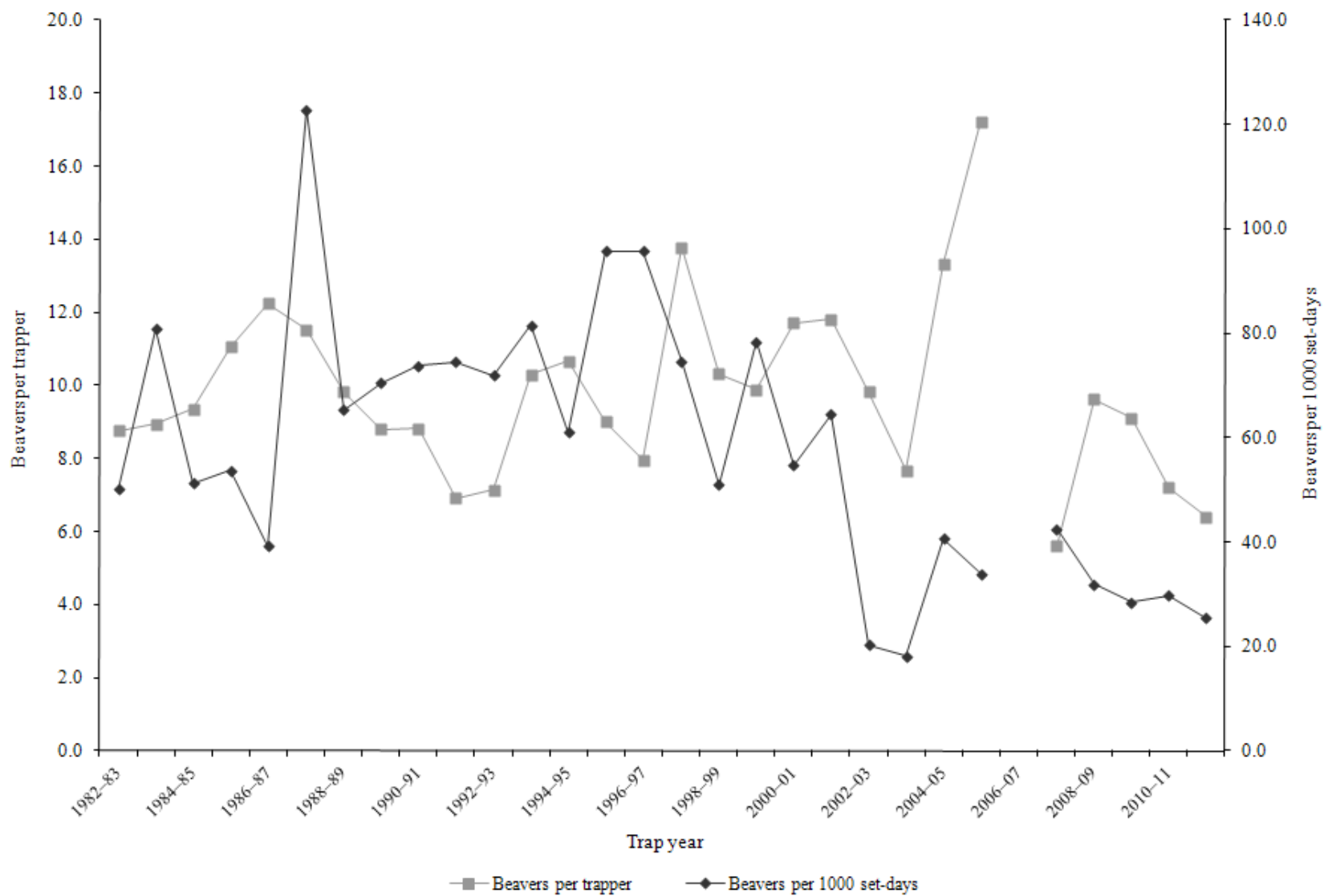


## BEAVER

Statewide beaver harvest statistics, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Set-days / beaver	Beavers / 1000 set-days	Beavers / trapper	Pelt price (\$)
1982–83	181	—	1584	20	50.1	8.8	12.89
1983–84	200	—	1788	12	80.8	8.9	14.10
1984–85	285	—	2664	20	51.3	9.3	16.44
1985–86	293	—	3242	19	53.7	11.1	14.64
1986–87	338	—	4138	26	39.2	12.2	22.64
1987–88	409	—	4716	8	122.9	11.5	14.67
1988–89	277	—	2721	15	65.4	9.8	10.02
1989–90	390	—	3436	14	70.5	8.8	11.93
1990–91	176	—	1551	14	73.8	8.8	6.49
1991–92	216	—	1492	13	74.5	6.9	8.94
1992–93	134	—	956	14	71.9	7.1	7.74
1993–94	171	—	1761	12	81.6	10.3	9.59
1994–95	239	—	2551	16	61.0	10.7	12.65
1995–96	170	—	1530	10	95.7	9.0	13.40
1996–97	163	—	1299	10	95.7	8.0	21.15
1997–98	210	—	2896	13	74.6	13.8	13.58
1998–99	286	—	2950	20	51.0	10.3	9.37
1999–00	185	—	1830	13	78.4	9.9	10.98
2000–01	170	—	1992	18	54.7	11.7	10.32
2001–02	143	—	1689	16	64.5	11.8	10.85
2002–03	175	—	1720	49	20.3	9.8	9.47
2003–04	232	—	1781	55	18.2	7.7	14.10
2004–05	200	—	2664	25	40.7	13.3	13.91
2005–06	130	—	2239	29	33.9	17.2	17.75
2006–07	122	—	—	—	—	—	16.31
2007–08	133	—	745	24	42.5	5.6	17.50
2008–09	121	—	1165	31	31.9	9.6	13.15
2009–10	209	6	1904	35	28.5	9.1	11.60
2010–11	144	13	1039	34	29.8	7.2	12.76
2011–12	157	18	1008	39	25.4	6.4	15.61
Average	209	12	2105	22	58.0	9.8	13.15

Statewide beaver harvest trends, Utah 1982–2012.



Beaver trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest	Traps set	Trapping days	Set-days	Set-days / beaver	Beavers / 1000 set-days	Beavers / trapper
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	2	7	21	53	114	1105	52	19.4	3.0
Iron	0	—	—	—	—	—	—	—	—
Juab	1	4	0	7	50	100	—	0.0	0.0
Millard	0	—	—	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	3	11	21	61	164	1204	56	17.8	2.0
Cache	9	32	210	381	659	11113	53	18.9	6.6
Davis	0	—	—	—	—	—	—	—	—
Morgan	2	7	29	93	96	1625	57	17.5	4.0
Piute	0	—	—	—	—	—	—	—	—
Rich	1	4	0	21	25	150	—	0.0	0.0
Salt Lake	3	11	132	160	232	4308	33	30.6	12.3
Sanpete	1	4	0	46	14	185	—	0.0	0.0
Sevier	1	4	29	25	50	349	12	81.6	8.0
Summit	0	—	—	—	—	—	—	—	—
Utah	4	14	93	107	228	1347	15	68.8	6.5
Wasatch	5	18	153	143	470	2893	19	53.0	8.6
Weber	4	14	146	200	481	6549	45	22.3	10.3
Rocky Mountain totals	30	107	792	1176	2255	28519	36	27.7	7.4
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	3	11	75	82	324	3424	46	21.9	7.0
Uintah	3	11	43	39	107	392	9	109.1	4.0
Uintah Basin totals	6	21	118	121	431	3816	32	30.8	5.5
Carbon	1	4	7	14	50	200	28	35.7	2.0
Emery	3	11	46	132	502	4778	103	9.7	4.3
Garfield	0	—	—	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—	—	—
Washington	3	11	7	46	196	923	130	7.7	0.7
Wayne	1	4	18	21	53	321	18	55.6	5.0
Colorado Plateau totals	8	29	78	214	802	6221	79	12.6	2.8
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	44	157	1008	1571	3652	39761	39	25.4	6.4

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

# BOBCAT

Statewide bobcat trapping harvest statistics\*, Utah 1982–2012.

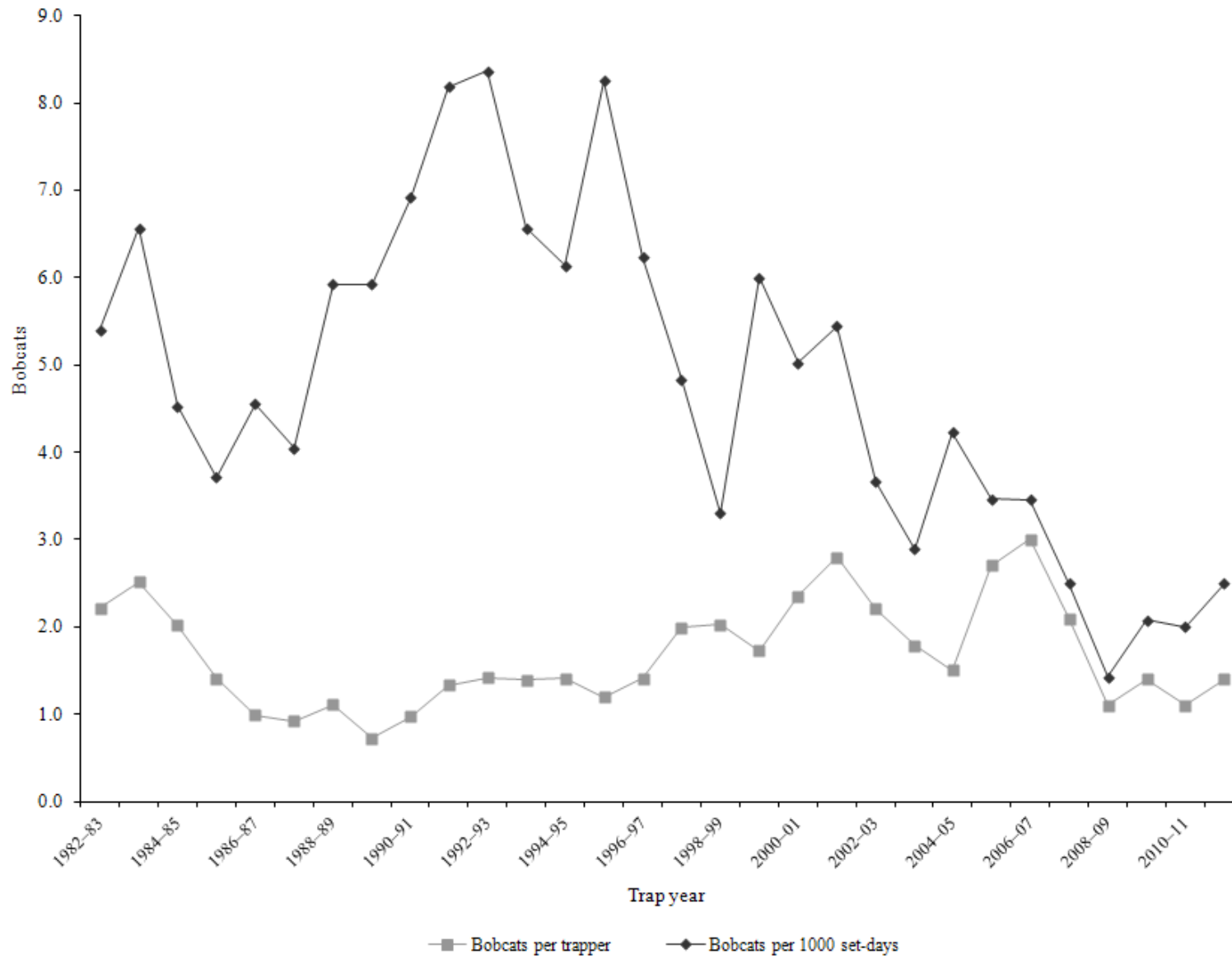
Trap year	Trappers afield	Trap harvest	Set-days	Set-days / bobcat	Bobcats / 1000 set-days	Bobcats / trapper	Pelt price (\$)
1982–83	1145	2540	469979	185	5.4	2.2	171.00
1983–84	1050	2640	401841	152	6.6	2.5	189.00
1984–85	1253	2532	559480	221	4.5	2.0	202.00
1985–86	1083	1530	411493	269	3.7	1.4	197.00
1986–87	1036	1024	224778	220	4.6	1.0	309.00
1987–88	1108	1023	252680	247	4.0	0.9	245.00
1988–89	941	1042	175990	169	5.9	1.1	221.00
1989–90	1167	843	142360	169	5.9	0.7	102.00
1990–91	542	527	76218	145	6.9	1.0	87.00
1991–92	726	968	118293	122	8.2	1.3	104.00
1992–93	827	1171	139949	120	8.4	1.4	90.00
1993–94	900	1256	191367	152	6.6	1.4	118.60
1994–95	914	1293	210522	163	6.1	1.4	70.02
1995–96	749	896	108594	121	8.3	1.2	79.51
1996–97	615	866	138899	160	6.2	1.4	147.80
1997–98	619	1234	255147	207	4.8	2.0	60.89
1998–99	1031	2092	633774	303	3.3	2.0	55.86
1999–00	828	1430	238152	167	6.0	1.7	82.64
2000–01	852	2008	399609	199	5.0	2.4	93.56
2001–02	666	1866	342678	184	5.4	2.8	147.66
2002–03	984	2176	593692	273	3.7	2.2	270.33
2003–04	1133	2027	701383	346	2.9	1.8	203.17
2004–05	1300	1954	462019	236	4.2	1.5	221.65
2005–06	979	2625	757380	289	3.5	2.7	358.56
2006–07	1017	3037	877870	289	3.5	3.0	197.53
2007–08	985	2091	836519	400	2.5	2.1	388.43
2008–09	1630	1796	1258813	701	1.4	1.1	238.69
2009–10	717	1017	488709	481	2.1	1.4	223.71
2010–11	771	846	416474	492	2.0	1.1	368.95
2011–12	755	1094	437912	400	2.5	1.4	456.16
Average	944	1581	410752	253	4.8	1.7	190.02

\*Prior to the 2005–06 season, harvest by hunting and trapping were not collected separately and trapping harvest estimates included harvest by both hunters and trappers. Trap harvest includes incidental harvest.

Statewide bobcat hunting harvest statistics, Utah 2005–2012.

Trap year	Hunters afield	Hunt harvest	Hunter-days afield	Hunter-days / bobcat	Bobcats / hunter
2005–06	612	301	8194	27	0.5
2006–07	440	340	10408	31	0.8
2007–08	557	346	10089	29	0.6
2008–09	438	266	7360	28	0.6
2009–10	370	150	5253	35	0.4
2010–11	355	156	5888	38	0.4
2011–12	329	151	4146	28	0.5
Average	443	244	7334	31	0.5

Statewide bobcat trapping harvest trends, Utah 1982–2012.





### Bobcat trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest**	Traps set	Trapping days	Set-days	Set-days / bobcat	Bobcats / 1000 set-days	Bobcats / trapper
Beaver	9	38	49	1980	461	24957	509	2.0	1.3
Box Elder	11	47	73	1553	649	23929	328	3.1	1.6
Iron	20	85	114	2677	1042	38470	337	3.0	1.3
Juab	7	30	29	947	448	15542	536	1.9	1.0
Millard	8	34	24	1088	683	22149	923	1.1	0.7
Tooele	20	85	42	2211	1408	44588	1062	0.9	0.5
Great Basin totals	75	320	331	10456	4690	169634	512	2.0	1.0
Cache	4	17	7	559	205	8859	1266	0.8	0.4
Davis	2	9	2	235	30	1195	598	1.7	0.2
Morgan	1	4	10	286	17	1144	114	8.7	2.5
Piute	3	13	25	166	102	1336	53	18.7	1.9
Rich	2	9	9	145	81	1848	205	4.9	1.0
Salt Lake	0	—	2	—	—	—	—	—	—
Sanpete	6	26	10	849	277	9538	954	1.0	0.4
Sevier	10	43	83	2117	1152	65136	785	1.3	1.9
Summit	5	21	17	822	196	7827	460	2.2	0.8
Utah	13	55	47	1336	448	11586	247	4.1	0.9
Wasatch	1	4	6	43	26	256	43	23.4	1.5
Weber	4	17	6	670	107	4370	728	1.4	0.4
Rocky Mountain totals	51	218	224	7227	2642	113095	505	2.0	1.0
Daggett	0	—	19	—	—	—	—	—	—
Duchesne	9	38	49	1097	504	14983	306	3.3	1.3
Uintah	16	68	66	2172	755	26903	408	2.5	1.0
Uintah Basin totals	25	107	134	3269	1259	41886	313	3.2	1.3
Carbon	4	17	27	683	252	11245	416	2.4	1.6
Emery	5	21	21	755	277	15022	715	1.4	1.0
Garfield	7	30	58	640	239	5667	98	10.2	1.9
Grand	3	13	17	90	158	1105	65	15.4	1.3
Kane	14	60	94	1716	841	23841	254	3.9	1.6
San Juan	9	38	51	1430	516	20348	399	2.5	1.3
Washington	9	38	118	1071	674	21871	185	5.4	3.1
Wayne	5	21	19	772	128	5236	276	3.6	0.9
Colorado Plateau totals	56	239	405	7157	3085	104336	258	3.9	1.7
Unknown	2	9	0	414	141	8962	—	0.0	0.0
Statewide totals*	177	755	1094	28523	11817	437912	400	2.5	1.4

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

\*\*Total harvest numbers are from pelt check-in, while numbers of trappers afield and effort are determined from harvest survey.

Bobcat hunting harvest statistics by county and management unit, Utah 2011–12.

County	n	Hunters afield	Hunt harvest**	Hunter-days afield	Hunter-days / bobcat	Bobcats / hunter
Beaver	2	9	2	68	34	0.2
Box Elder	7	30	13	196	15	0.4
Iron	2	9	3	55	18	0.3
Juab	6	26	5	179	36	0.2
Millard	6	26	1	427	427	0.0
Tooele	7	30	5	179	36	0.2
Great Basin totals	30	128	29	1104	38	0.2
Cache	4	17	14	273	20	0.8
Davis	2	9	1	30	30	0.1
Morgan	4	17	3	179	60	0.2
Piute	2	9	0	43	—	0.0
Rich	2	9	1	64	64	0.1
Salt Lake	0	—	—	—	—	—
Sanpete	6	26	9	239	27	0.3
Sevier	3	13	7	102	15	0.5
Summit	5	21	8	294	37	0.4
Utah	6	26	10	154	15	0.4
Wasatch	1	4	10	46	5	2.5
Weber	1	4	0	17	—	0.0
Rocky Mountain totals	36	154	63	1441	23	0.4
Daggett	1	4	1	9	9	0.3
Duchesne	3	13	3	30	10	0.2
Uintah	8	34	5	610	122	0.1
Uintah Basin totals	12	51	9	649	72	0.2
Carbon	4	17	0	154	—	0.0
Emery	4	17	7	222	32	0.4
Garfield	3	13	17	149	9	1.3
Grand	3	13	7	162	23	0.5
Kane	1	4	3	9	3	0.8
San Juan	7	30	9	162	18	0.3
Washington	2	9	7	60	9	0.8
Wayne	1	4	0	21	—	0.0
Colorado Plateau totals	25	107	50	939	19	0.5
Unknown	1	4	1	13	13	0.3
Statewide totals*	77	329	151	4146	27	0.5

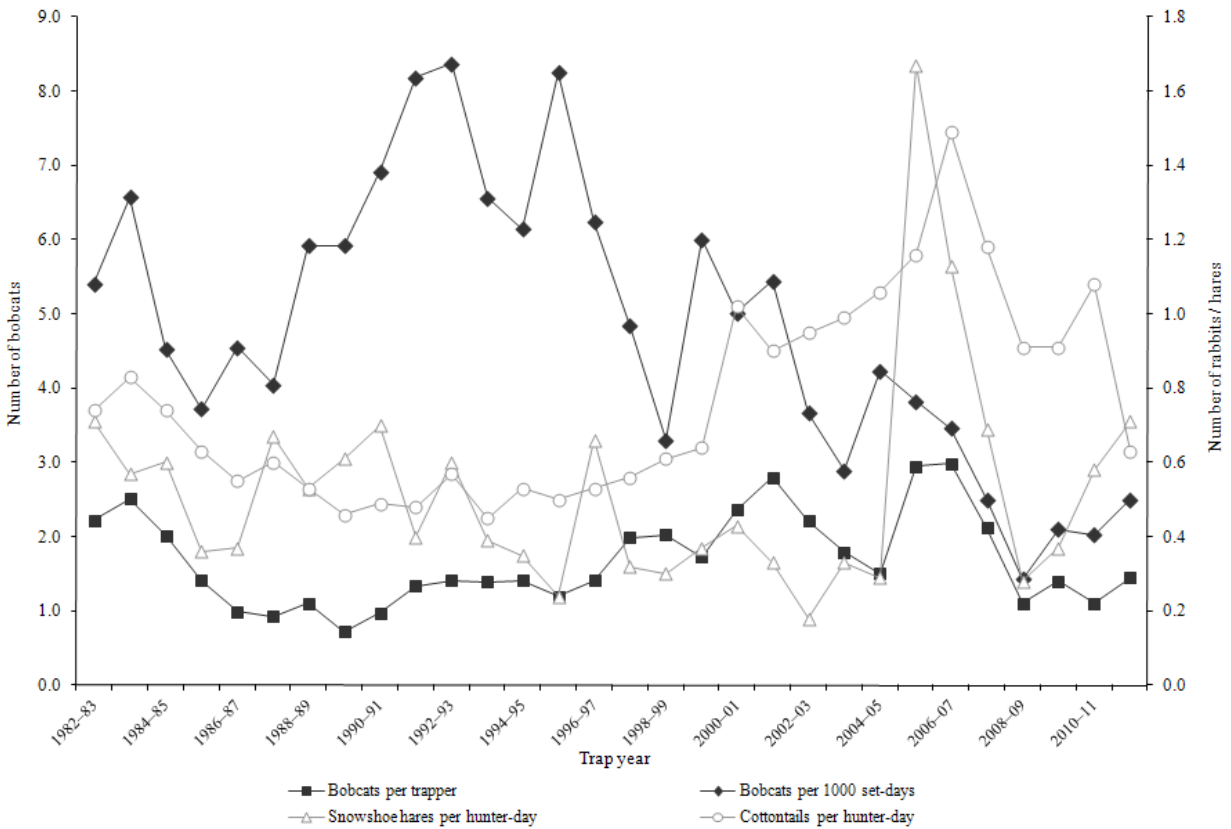
\*Statewide totals for sample size and hunters afield are not totals of the columns because hunters hunted multiple counties.

\*\*Total harvest numbers are from pelt check-in, while numbers of hunters afield and effort are determined from harvest survey.

## 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 2011–12 (2011–12 seasons).

Relationships in harvest statistics between bobcat and prey, Utah 1982–2012.



## Population trends

Bobcat harvest age and sex ratios, Utah 1985–2012.

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
1985–86	0.5	0.2	1.0	—	—	—	—	1.2
1986–87	0.7	0.3	0.9	—	—	—	—	1.1
1987–88	1.2	0.5	1.0	—	—	—	—	1.1
1988–89	1.1	0.4	1.1	—	—	—	—	1.3
1989–90	0.8	0.3	1.0	—	—	—	—	1.4
1990–91	0.8	0.3	0.6	—	—	—	—	1.2
1991–92	0.9	0.7	1.3	—	—	—	—	1.5
1992–93	0.9	1.0	1.2	—	—	—	—	1.4
1993–94	1.6	0.6	1.0	—	—	—	—	1.3
1994–95	0.6	0.6	1.1	0.6	1.1	0.36	0.44	1.3
1995–96	1.4	0.5	0.7	0.5	1.0	0.35	0.44	1.3
1996–97	1.9	0.7	1.1	0.7	1.1	0.41	0.41	1.4
1997–98	1.2	0.4	0.9	0.4	0.9	0.30	0.42	1.4
1998–99	2.1	0.8	1.1	—	—	—	—	1.3
1999–00	0.8	0.3	1.0	1.0	1.4	0.50	0.39	1.6
2000–01	0.7	0.3	1.1	0.9	1.3	0.47	0.39	1.6
2001–02	0.4	0.2	1.0	0.6	1.2	0.38	0.41	1.4
2002–03	0.4	0.2	0.9	0.4	1.0	0.28	0.45	1.2
2003–04	0.6	0.3	0.9	0.5	1.0	0.31	0.47	1.1
2004–05	0.8	0.3	0.8	1.2	1.1	0.55	0.44	1.3
2005–06	5.8	2.5	1.4	2.5	1.4	0.72	0.43	1.4
2006–07	4.1	1.5	1.4	1.5	1.4	0.60	0.43	1.3
2007–08	3.0	1.3	1.1	1.4	1.1	0.56	0.43	1.3
2008–09	0.4	0.2	0.8	0.7	1.0	0.42	0.45	1.2
2009–10	0.7	0.3	1.0	0.6	1.2	0.38	0.47	1.1
2010–11	0.6	0.2	1.1	0.5	1.2	0.31	0.43	1.4
2011–12	0.8	0.3	1.1	0.5	1.2	0.35	0.45	1.2
Average	1.3	0.6	1.0	0.9	1.1	0.43	0.43	1.3

In annual reports prior to 2005–06, the "juvenile" age category referred only to kittens (age 0.5) while "adults" included all bobcats age 1.5 and older. Beginning with the 2005–06 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.

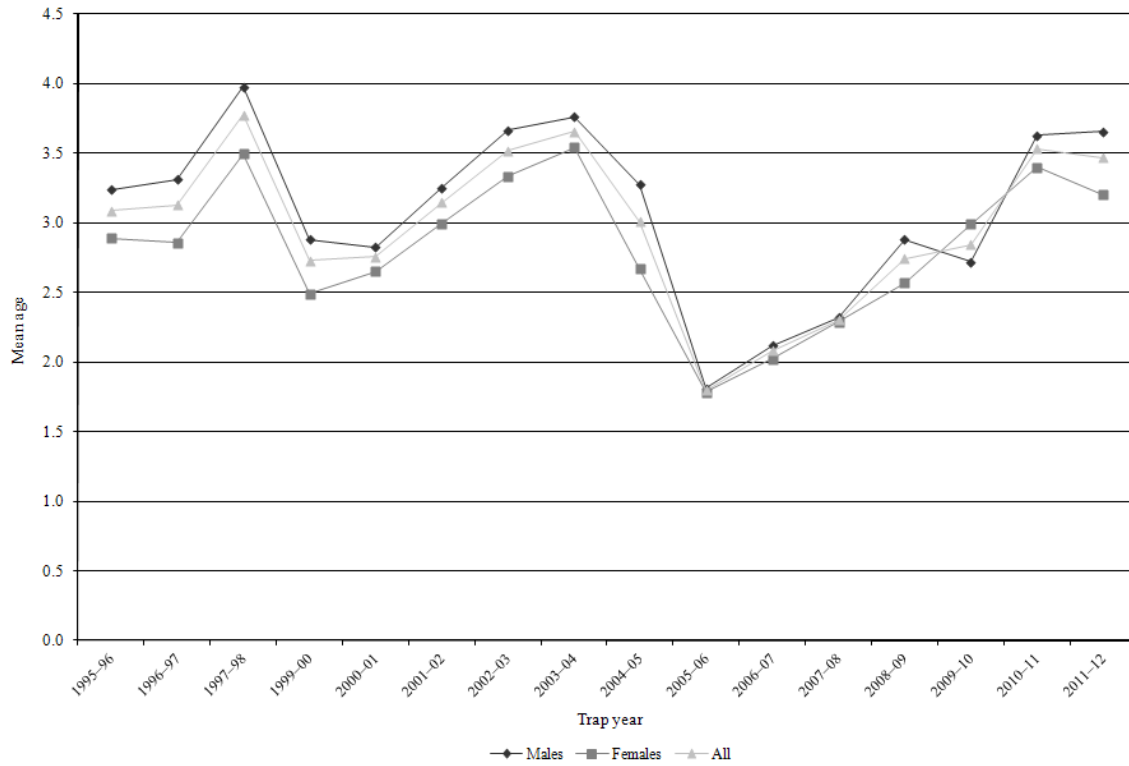
Adult and juvenile bobcat survival (from Chapman-Robson estimator), Utah 1985–2012.

Trap year	Adult survival			Juvenile* survival		
	S (%)	95% CI	Chi-square	S (%)	95% CI	Chi-square
1985–86	63	60–65	—	42	40–45	—
1986–87	63	60–65	—	35	32–39	—
1987–88	65	61–68	—	35	32–38	—
1988–89	64	60–68	—	38	35–40	—
1989–90	67	63–71	—	41	38–44	—
1990–91	58	53–62	—	36	31–41	—
1991–92	58	55–60	—	32	29–36	—
1992–93	59	56–63	—	29	25–33	—
1993–94	54	52–57	—	40	36–43	—
1994–95	57	54–59	—	34	30–37	—
1995–96	64	61–66	—	30	25–34	—
1996–97	68	65–70	—	34	30–38	—
1997–98	71	69–74	17.3, 10df	34	28–40	62.6, 2df
1998–99	71	70–73	29.5, 12df	29	26–33	110.2, 2df
1999–00	66	64–68	71.4, 12df	35	33–38	445.6, 2df
2000–01	64	62–66	144.6, 12df	36	33–39	389.3, 2df
2001–02	65	63–67	302.4, 12df	39	36–42	596.6, 2df
2002–03	67	65–68	1988.1, 12df	39	35–42	459.5, 2df
2003–04	71	70–72	1328.7, 12df	22	19–25	31.6, 2df
2004–05	74	73–76	105.2, 12df	36	33–38	985.6, 2df
2005–06	68	65–70	33.6, 12df	16	14–18	3223.7, 2df
2006–07	53	48–58	126.3, 12df	35	30–39	195.3, 2df
2007–08	58	54–62	77.9, 12df	39	35–43	320.1, 2df
2008–09	57	54–61	41.5, 12df	43	39–48	305.5, 2df
2009–10	59	56–62	25.3, 12df	34	29–39	168.5, 2df
2010–11	69	66–71	117.8, 12df	31	26–37	171.0, 2df
2011–12	70	66–73	119.2, 12df	29	22–36	231.9, 2df
Average	64	—	—	34	—	—

\*Juveniles includes kittens and yearlings (ages 0.5–1.5).

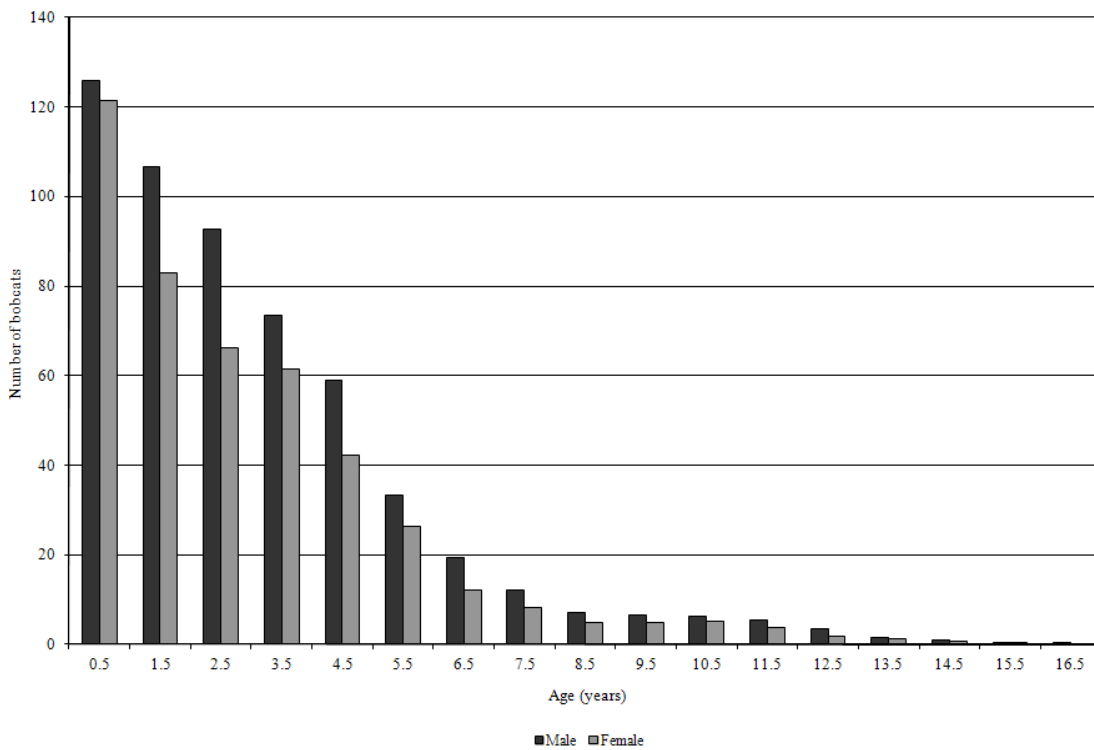
## Age structure

Average age of harvested bobcats, Utah 1995–2012.

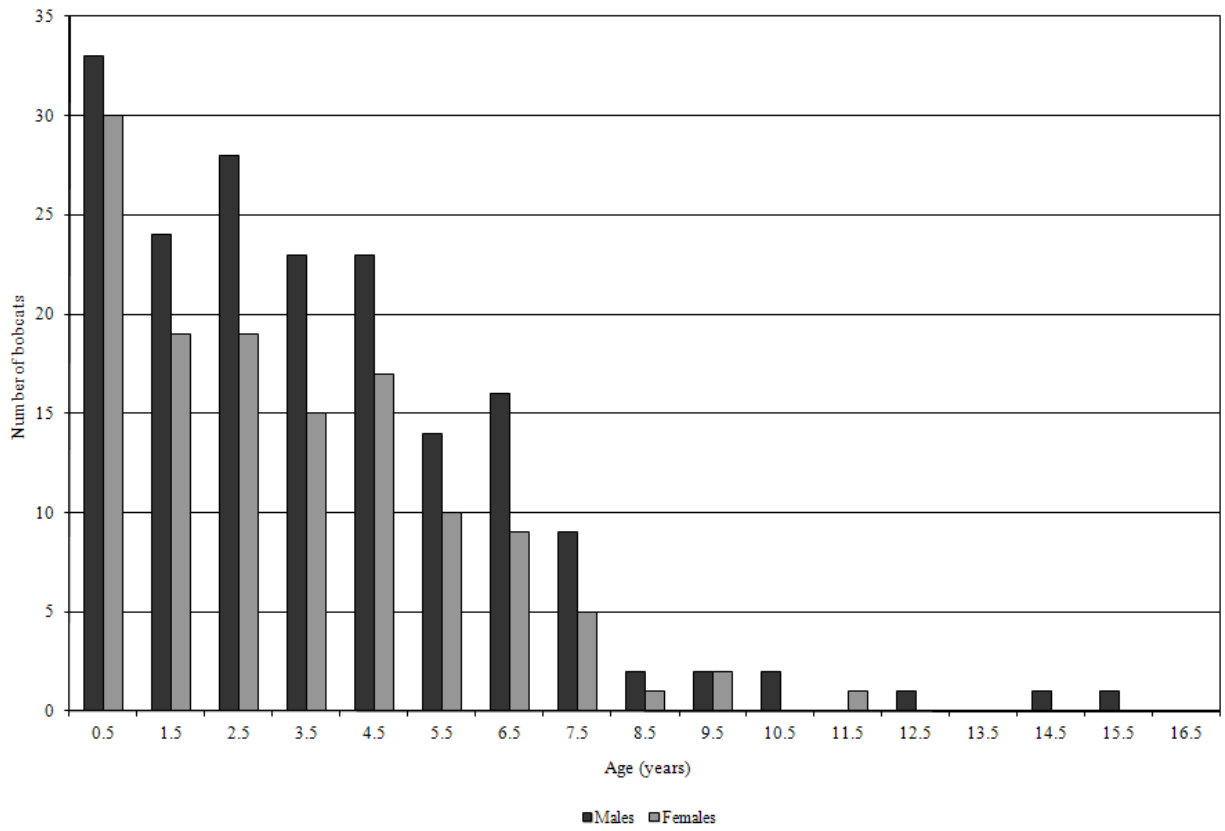


\*Excludes age structure data from the 1998–99 trap season.

Average number of bobcats harvested by age category, Utah 2002–2012.



Age structure of harvested bobcats, Utah 2011–12.



# COYOTE

## Statewide coyote harvest statistics, Utah 1982–2012.

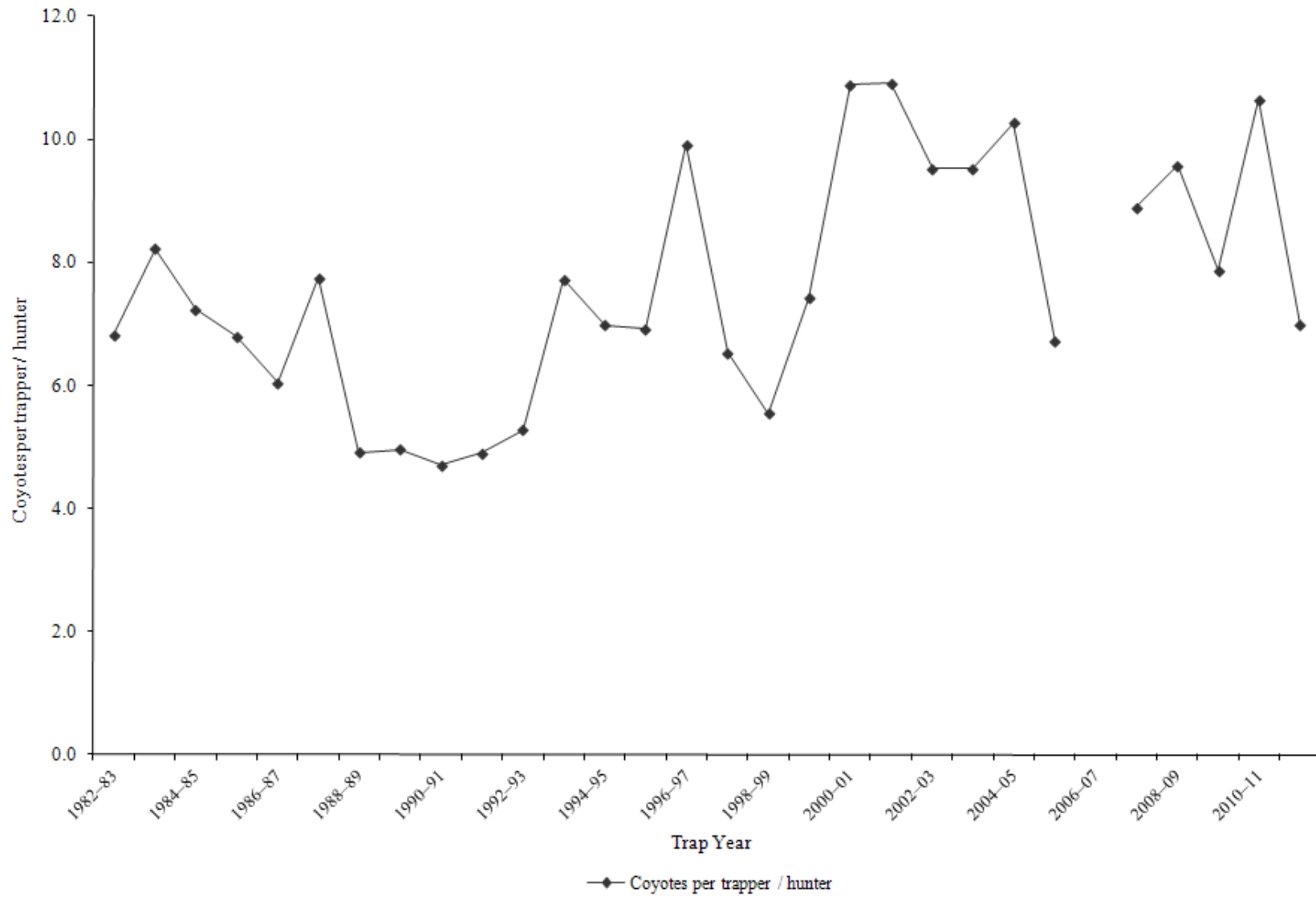
Trap year	Trappers / hunters afield	Wildlife Services harvest	Incidental harvest	Trap harvest	Hunt harvest	Coyotes per trapper / hunter*	Pelt price (\$)
1982–83	841	4130	—	5738	—	6.8	35.42
1983–84	715	5063	—	5878	—	8.2	25.92
1984–85	828	5427	—	5991	—	7.2	32.35
1985–86	714	5045	—	4851	—	6.8	19.65
1986–87	819	4116	—	4947	—	6.0	33.64
1987–88	893	4338	—	6919	—	7.7	15.55
1988–89	652	4853	—	3200	—	4.9	8.47
1989–90	671	5168	—	3331	—	5.0	8.68
1990–91	389	4444	—	1831	—	4.7	11.41
1991–92	664	4347	—	3255	—	4.9	20.00
1992–93	695	4932	—	3666	—	5.3	15.75
1993–94	679	5827	—	5247	—	7.7	24.58
1994–95	754	3893	—	5267	—	7.0	12.51
1995–96	632	4165	—	4372	—	6.9	15.49
1996–97	405	4484	—	4017	—	9.9	18.73
1997–98	494	4169	—	3228	—	6.5	10.80
1998–99	782	3464	—	4337	—	5.5	10.80
1999–00	473	4534	—	3510	—	7.4	19.14
2000–01	456	4275	—	4966	—	10.9	14.39
2001–02	399	3874	—	4354	—	10.9	16.17
2002–03	572	3394	—	5446	—	9.5	32.62
2003–04	699	3897	—	6660	—	9.5	25.74
2004–05	699	4125	—	7173	—	10.3	20.10
2005–06	630	4820	328	1190	3039	6.7	30.45
2006–07	830	5041	—	—	—	—	26.37
2007–08	859	5618	821	4055	3582	8.9	21.74
2008–09	726	3909	1020	3963	2982	9.6	10.86
2009–10	781	3808	531	3188	2955	7.9	14.80
2010–11	736	4081	292	4356	3480	10.6	25.00
2011–12	705	3444	374	3054	1868	7.0	43.43
Average	673	4423	561	4413	2984	7.6	20.69

Prior to the 2005–06 season, harvest by hunting and trapping were not collected separately and trap harvest estimates included all harvest by both hunting and trapping.

\*Coyotes per trapper / hunter does not include Wildlife Services harvest.



Statewide coyote harvest trends, Utah 1982–2012.



Coyote trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest	Traps set	Trapping days	Set-days	Set-days / coyote	Coyotes / 1000 set-days	Coyotes / trapper
Beaver	7	25	189	271	1389	15592	83	12.1	7.6
Box Elder	7	25	285	584	670	20231	71	14.1	11.4
Iron	4	14	182	360	775	20345	112	8.9	12.8
Juab	7	25	164	396	869	18011	110	9.1	6.6
Millard	5	18	135	510	423	15952	118	8.5	7.6
Tooele	13	46	306	730	1753	35086	115	8.7	6.6
Great Basin totals	43	153	1261	2850	5879	125218	99	10.1	8.2
Cache	7	25	449	331	631	6499	14	69.1	18.0
Davis	0	—	—	—	—	—	—	—	—
Morgan	1	4	18	25	36	249	14	71.4	5.0
Piute	1	4	21	25	107	748	35	28.6	6.0
Rich	3	11	153	132	203	2202	14	69.6	14.3
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	6	21	18	249	723	8338	468	2.1	0.8
Sevier	7	25	64	331	859	14309	223	4.5	2.6
Summit	2	7	61	100	314	3791	63	16.0	8.5
Utah	6	21	278	467	424	12050	43	23.1	13.0
Wasatch	3	11	43	114	388	3905	91	10.9	4.0
Weber	3	11	96	182	338	6610	69	14.6	9.0
Rocky Mountain totals	39	139	1201	1956	4023	58702	49	20.5	8.6
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	3	11	50	189	552	6969	140	7.2	4.7
Uintah	6	21	103	367	873	13276	128	7.8	4.8
Uintah Basin totals	9	32	153	556	1425	20245	132	7.6	4.8
Carbon	2	7	21	68	93	1194	56	17.9	3.0
Emery	2	7	4	57	143	998	280	3.6	0.5
Garfield	5	18	89	128	299	2309	26	38.6	5.0
Grand	2	7	7	235	406	7055	990	1.0	1.0
Kane	4	14	29	185	464	8625	303	3.3	2.0
San Juan	6	21	36	399	1044	20388	572	1.7	1.7
Washington	5	18	185	527	641	15692	85	11.8	10.4
Wayne	2	7	68	57	196	1817	27	37.3	9.5
Colorado Plateau totals	28	100	439	1657	3286	58077	133	7.5	4.4
Unknown	1	4	0	43	107	1283	—	0.0	0.0
Statewide totals*	102	363	3054	7062	14720	263525	86	11.6	8.4

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

Coyote hunting harvest statistics by county and management unit, Utah 2011–12.

County	n	Hunters afield	Hunt harvest	Hunter-days afield	Hunter-days / coyote	Coyotes / hunter
Beaver	7	25	125	782	6	5.0
Box Elder	16	57	253	563	2	4.4
Iron	11	39	306	1063	3	7.8
Juab	10	36	53	228	4	1.5
Millard	7	25	139	793	6	5.6
Tooele	18	64	153	884	6	2.4
Great Basin totals	69	246	1030	4312	4	4.2
Cache	11	39	150	627	4	3.8
Davis	2	7	18	178	10	2.5
Morgan	5	18	43	125	3	2.4
Piute	1	4	0	11	—	0.0
Rich	3	11	32	32	1	3.0
Salt Lake	0	—	—	—	—	—
Sanpete	5	18	75	217	3	4.2
Sevier	3	11	4	142	40	0.3
Summit	7	25	82	217	3	3.3
Utah	9	32	29	167	6	0.9
Wasatch	2	7	4	125	35	0.5
Weber	4	14	29	78	3	2.0
Rocky Mountain totals	52	185	463	1920	4	2.5
Daggett	2	7	0	21		0.0
Duchesne	7	25	14	93	7	0.6
Uintah	8	29	96	492	5	3.4
Uintah Basin totals	17	61	110	606	5	1.8
Carbon	7	25	21	221	10	0.9
Emery	8	29	39	164	4	1.4
Garfield	6	21	51	310	6	2.4
Grand	2	7	29	71	3	4.0
Kane	2	7	4	39	11	0.5
San Juan	10	36	100	392	4	2.8
Washington	4	14	14	57	4	1.0
Wayne	1	4	7	18	3	2.0
Colorado Plateau totals	40	143	265	1272	5	1.9
Unknown	0	—	—	—	—	—
Statewide totals*	119	424	1868	8109	4	4.4

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

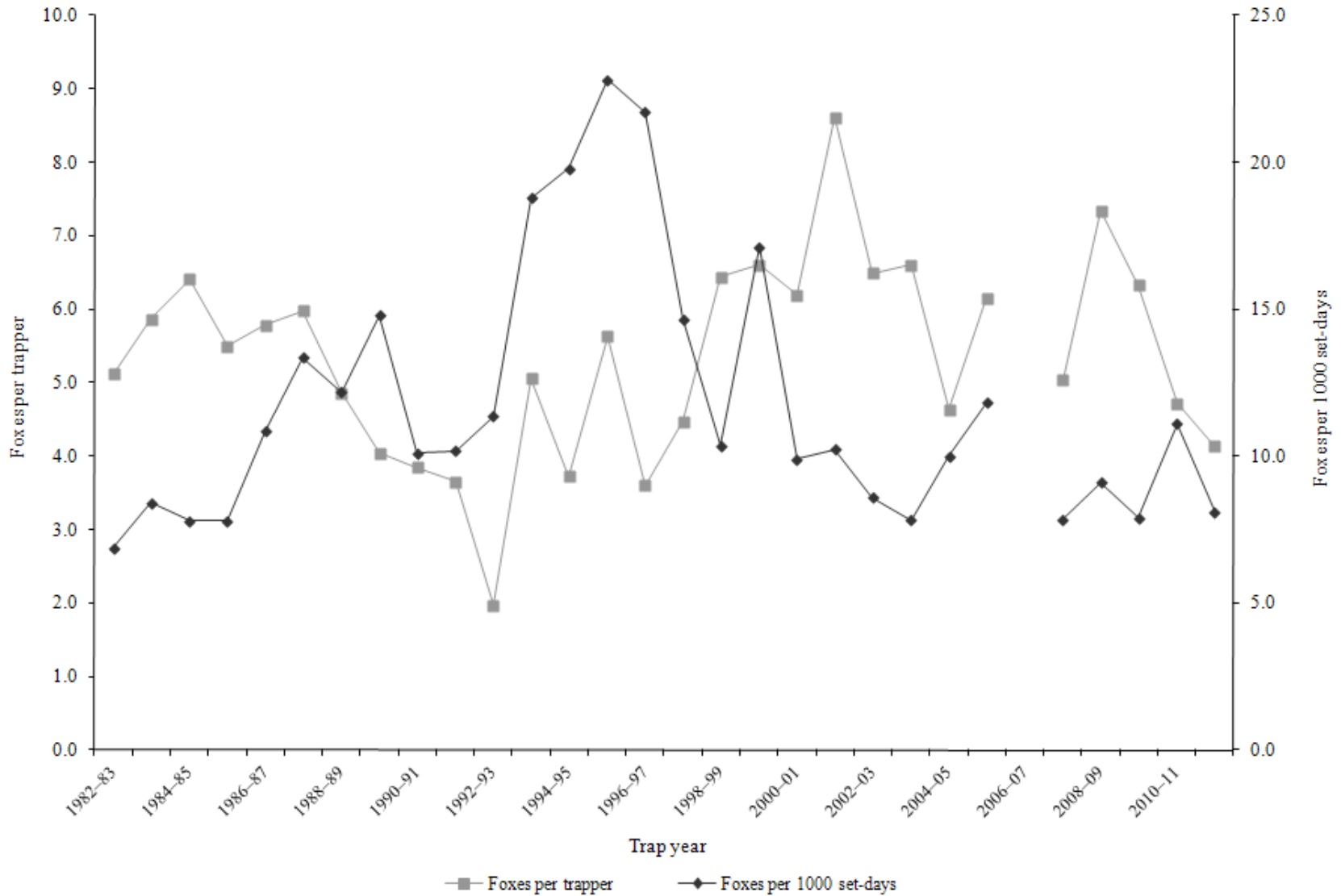
## GRAY FOX

Statewide gray fox harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / fox	Foxes / 1000 set-days	Foxes / trapper	Pelt price (\$)
1982–83	263	—	1346	—	145	6.9	5.1	27.75
1983–84	233	—	1367	—	119	8.4	5.9	25.13
1984–85	305	—	1954	—	128	7.8	6.4	24.64
1985–86	256	—	1407	—	128	7.8	5.5	15.03
1986–87	252	—	1457	—	92	10.8	5.8	25.29
1987–88	273	—	1633	—	75	13.4	6.0	21.91
1988–89	226	—	1099	—	82	12.2	4.9	13.50
1989–90	233	—	941	—	68	14.8	4.0	6.19
1990–91	65	—	250	—	99	10.1	3.8	8.24
1991–92	110	—	402	—	98	10.2	3.7	6.87
1992–93	214	—	422	—	88	11.4	2.0	7.08
1993–94	136	—	687	—	53	18.8	5.1	12.00
1994–95	207	—	771	—	51	19.8	3.7	9.62
1995–96	147	—	828	—	44	22.8	5.6	10.65
1996–97	102	—	367	—	46	21.7	3.6	11.60
1997–98	87	—	389	—	68	14.7	4.5	7.76
1998–99	135	—	870	—	96	10.4	6.4	6.96
1999–00	140	—	925	—	58	17.1	6.6	6.62
2000–01	187	—	1159	—	101	9.9	6.2	8.00
2001–02	154	—	1326	—	98	10.2	8.6	11.58
2002–03	299	—	1942	—	116	8.6	6.5	12.47
2003–04	265	—	1749	—	128	7.8	6.6	10.84
2004–05	203	—	942	—	100	10.0	4.6	13.81
2005–06	98	—	603	—	85	11.8	6.2	24.15
2006–07	252	—	—	—	—	—	—	37.25
2007–08	217	—	1093	—	127	7.9	5.0	39.19
2008–09	238	—	1747	—	110	9.1	7.3	17.07
2009–10	163	361	1031	—	126	7.9	6.3	16.56
2010–11	138	292	651	—	90	11.1	4.7	20.97
2011–12	125	485	474	43	124	8.1	4.1	23.13
Average	191	379	1029	43	95	11.8	5.3	16.06

\*Trappers and foxes per trapper include hunters and their harvest. Set-days per fox and foxes per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide gray fox harvest trends, Utah 1982–2012.



Gray fox trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest	Traps set	Trapping days	Set-days	Set-days / fox	Foxes / 1000 set-days	Foxes / trapper
Beaver	1	4	11	18	107	534	50	20.0	3.0
Box Elder	0	—	—	—	—	—	—	—	—
Iron	5	18	25	223	540	7022	282	3.6	1.4
Juab	0	—	—	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	6	21	36	241	647	7556	212	4.7	1.7
Cache	0	—	—	—	—	—	—	—	—
Davis	0	—	—	—	—	—	—	—	—
Morgan	0	—	—	—	—	—	—	—	—
Piute	0	—	—	—	—	—	—	—	—
Rich	0	—	—	—	—	—	—	—	—
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	0	—	—	—	—	—	—	—	—
Sevier	1	4	4	36	214	2138	600	1.7	1.0
Summit	0	—	—	—	—	—	—	—	—
Utah	0	—	—	—	—	—	—	—	—
Wasatch	0	—	—	—	—	—	—	—	—
Weber	0	—	—	—	—	—	—	—	—
Rocky Mountain totals	1	4	4	36	214	2138	600	1.7	1.0
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	0	—	—	—	—	—	—	—	—
Uintah	0	—	—	—	—	—	—	—	—
Uintah Basin totals	0	—	—	—	—	—	—	—	—
Carbon	0	—	—	—	—	—	—	—	—
Emery	1	4	4	71	107	2138	600	1.7	1.0
Garfield	0	—	—	—	—	—	—	—	—
Grand	3	11	25	274	513	8658	347	2.9	2.3
Kane	7	25	139	449	856	11606	84	12.0	5.6
San Juan	3	11	64	139	517	7988	125	8.0	6.0
Washington	7	25	164	342	577	9702	59	16.9	6.6
Wayne	1	4	11	36	160	1603	150	6.7	3.0
Colorado Plateau totals	22	78	407	1311	2730	41697	103	9.7	5.2
Unknown	1	4	29	107	239	7162	251	4.0	8.0
Statewide totals*	29	103	474	1694	3830	58553	124	8.1	4.6

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

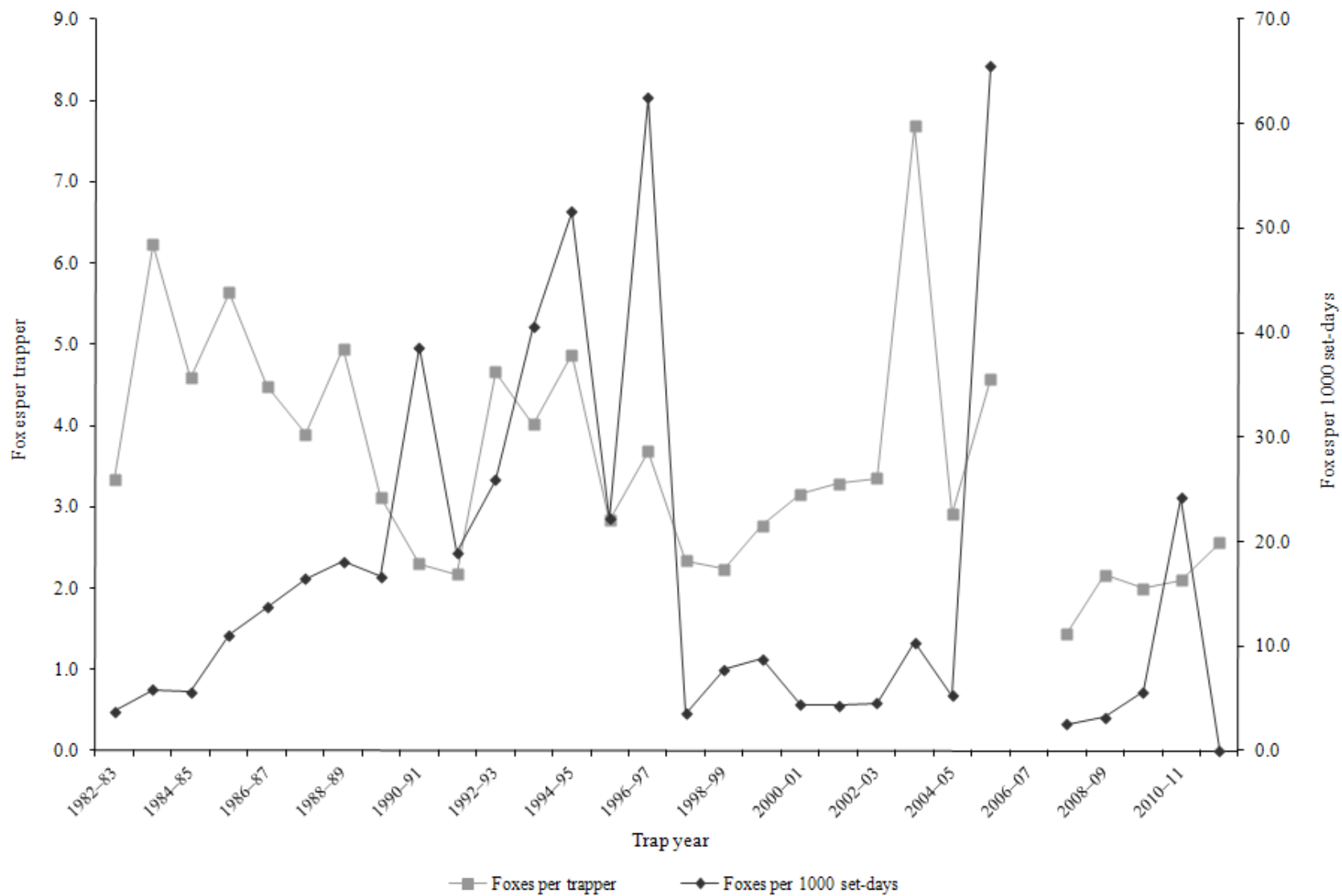
## KIT FOX

Statewide kit fox harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / fox	Foxes / 1000 set-days	Foxes / trapper	Pelt price (\$)
1982–83	109	—	363	—	267	3.7	3.3	11.39
1983–84	112	—	698	—	171	5.8	6.2	11.99
1984–85	142	—	651	—	178	5.6	4.6	11.17
1985–86	108	—	609	—	90	11.1	5.6	7.50
1986–87	122	—	547	—	73	13.7	4.5	9.90
1987–88	138	—	538	—	61	16.5	3.9	10.69
1988–89	130	—	643	—	55	18.1	4.9	6.98
1989–90	117	—	365	—	60	16.6	3.1	3.19
1990–91	81	—	186	—	26	38.6	2.3	4.67
1991–92	86	—	187	—	53	18.9	2.2	2.78
1992–93	41	—	191	—	39	25.9	4.7	4.30
1993–94	75	—	301	—	25	40.6	4.0	4.69
1994–95	109	—	531	—	19	51.6	4.9	6.45
1995–96	77	—	218	—	45	22.2	2.8	6.25
1996–97	44	—	162	—	16	62.5	3.7	6.77
1997–98	41	—	96	—	282	3.5	2.3	3.50
1998–99	75	—	168	—	128	7.8	2.2	7.31
1999–00	66	—	183	—	114	8.8	2.8	2.90
2000–01	51	—	161	—	227	4.4	3.2	6.13
2001–02	52	—	171	—	229	4.4	3.3	10.72
2002–03	90	—	302	—	221	4.5	3.4	5.44
2003–04	83	—	638	—	97	10.4	7.7	5.38
2004–05	89	—	259	—	191	5.2	2.9	8.98
2005–06	40	—	183	—	15	65.6	4.6	10.92
2006–07	65	—	—	—	—	—	—	10.50
2007–08	27	—	39	—	392	2.6	1.4	7.87
2008–09	48	—	104	—	314	3.2	2.2	7.61
2009–10	19	13	38	—	177	5.6	2.0	9.47
2010–11	20	3	42	—	41	24.2	2.1	12.68
2011–12	18	64	0	46	—	0.0	2.6	14.49
Average	76	27	296	46	129	17.3	3.6	7.75

\*Trappers and foxes per trapper include hunters and their harvest. Set-days per fox and foxes per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide kit fox harvest trends, Utah 1982–2012.





# MARTEN

## Statewide marten harvest statistics, Utah 1982–1999.

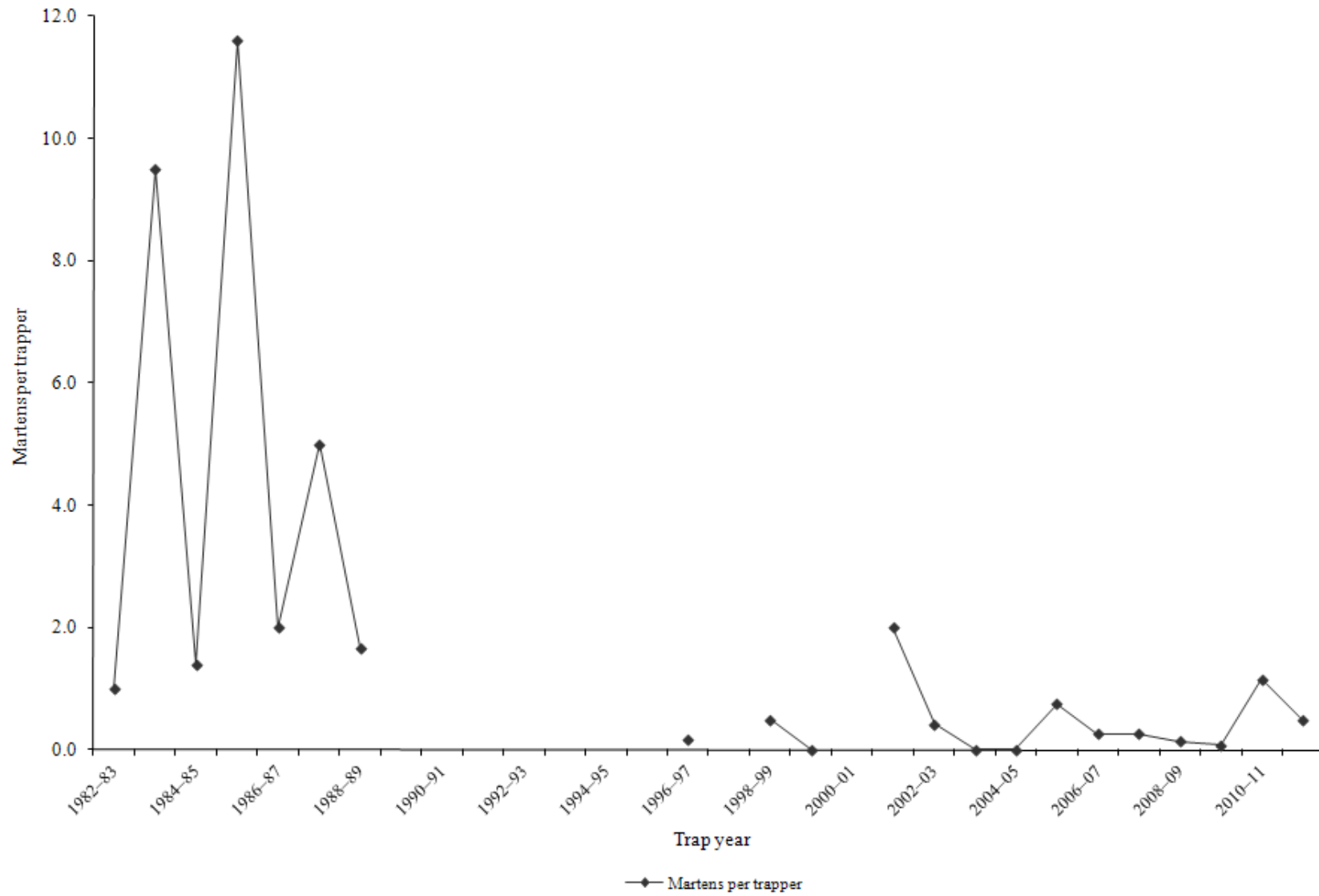
Trap year	Trappers afield	Trap / hunt harvest	Set-days	Set-days / marten	Martens / 1000 set-days	Martens / trapper	Pelt price (\$)
1982–83	1	1	6	6	166.7	1.0	10.00
1983–84	9	84	4704	56	17.9	9.5	20.00
1984–85	9	12	6516	543	1.8	1.4	24.00
1985–86	10	121	7381	61	16.4	11.6	23.00
1986–87	11	22	8558	389	2.6	2.0	25.68
1987–88	10	50	9750	195	5.1	5.0	40.00
1988–89	6	10	1210	121	8.3	1.7	31.00
1989–90	—	—	—	—	—	—	—
1990–91	—	—	—	—	—	—	—
1991–92	—	—	—	—	—	—	—
1992–93	—	—	—	—	—	—	—
1993–94	—	—	—	—	—	—	—
1994–95	—	—	—	—	—	—	—
1995–96	—	—	—	—	—	—	—
1996–97	13	2	—	—	—	0.2	20.00
1997–98	—	—	—	—	—	—	11.00
1998–99	12	6	1228	205	4.9	0.5	7.11
Average	9	34	4919	197	28.0	3.6	21.18

## Statewide marten harvest statistics, Utah 1999–2012.

Trap year	Permits sold	Successful trappers	Male harvest	Female harvest	Unknown harvest	Total harvest	Success rate (%)*	Martens / trapper*
1999–00	5	0	0	0	0	0	0.0	0.0
2000–01	—	1	3	3	0	6	—	—
2001–02	11	2	16	6	0	22	18.2	2.0
2002–03	12	1	3	2	0	5	8.3	0.4
2003–04	18	0	0	0	0	0	0.0	0.0
2004–05	12	0	0	0	0	0	0.0	0.0
2005–06	16	2	7	4	1	12	12.5	0.8
2006–07	26	3	6	1	0	7	11.5	0.3
2007–08	22	4	7	14	0	21	18.2	1.0
2008–09	28	1	2	2	0	4	3.6	0.1
2009–10	25	1	2	0	0	2	4.0	0.1
2010–11	31	2	24	12	0	36	6.5	1.2
2011–12	29	3	7	3	4	14	10.3	0.5
Average	20	2	6	3	0	10	7.8	0.5

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

Statewide marten harvest trends, Utah 1982–2012.



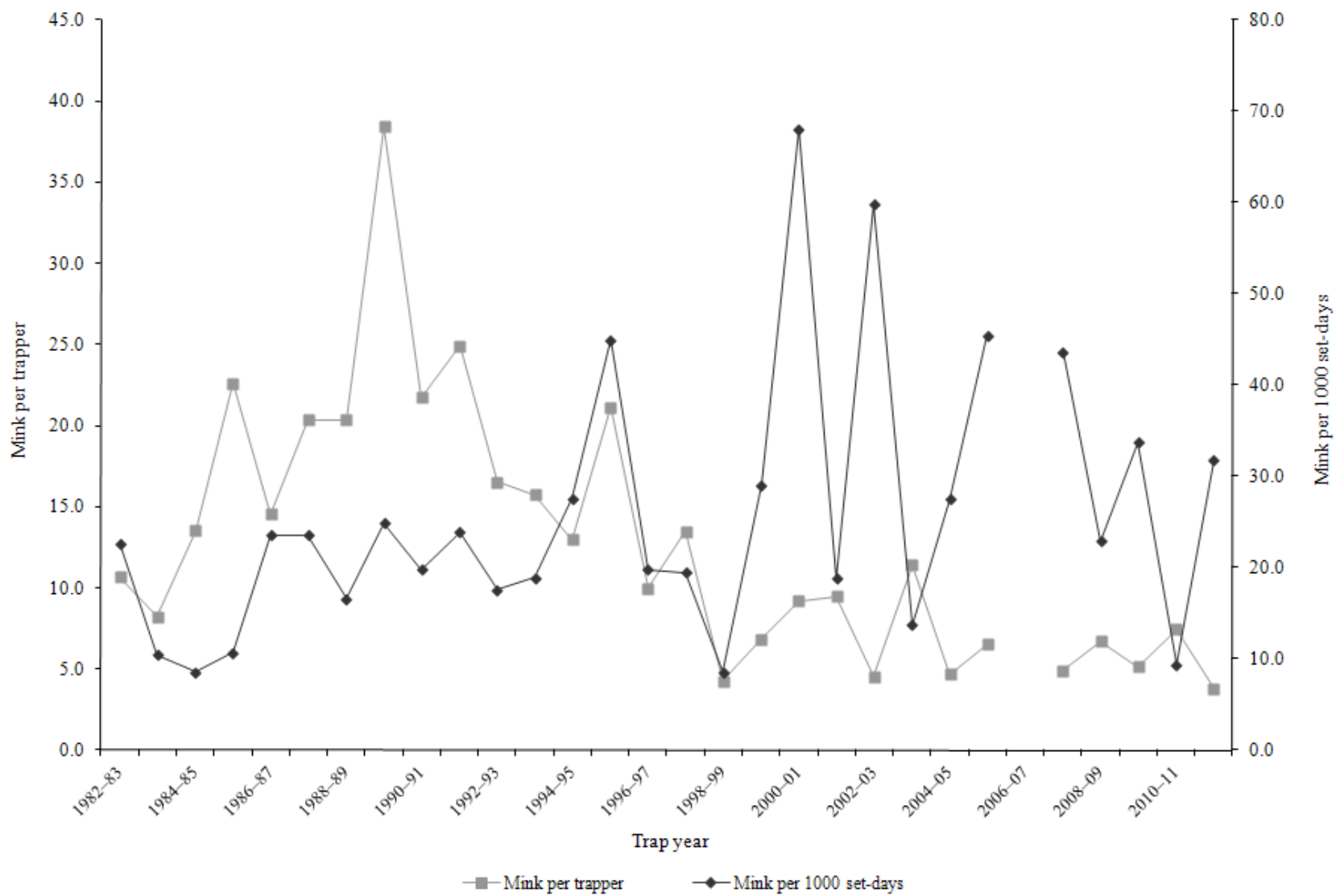
# MINK

Statewide mink harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / mink	Mink / 1000 set-days	Mink / trapper	Pelt price (\$)
1982–83	38	—	405	—	44	22.7	10.7	10.85
1983–84	46	—	379	—	95	10.5	8.2	9.13
1984–85	40	—	542	—	117	8.6	13.6	10.27
1985–86	37	—	837	—	94	10.7	22.6	6.00
1986–87	57	—	828	—	42	23.6	14.5	10.63
1987–88	51	—	1037	—	42	23.6	20.3	12.25
1988–89	42	—	854	—	60	16.6	20.3	10.69
1989–90	29	—	1114	—	40	24.8	38.4	6.30
1990–91	25	—	543	—	50	19.8	21.7	6.33
1991–92	29	—	723	—	42	23.9	24.9	6.81
1992–93	23	—	380	—	57	17.6	16.5	7.50
1993–94	30	—	472	—	53	18.9	15.7	8.41
1994–95	27	—	350	—	36	27.6	13.0	8.38
1995–96	25	—	529	—	22	45.0	21.2	10.40
1996–97	27	—	269	—	50	19.8	10.0	10.95
1997–98	25	—	337	—	51	19.4	13.5	5.81
1998–99	81	—	345	—	116	8.6	4.3	7.11
1999–00	61	—	419	—	34	29.1	6.9	6.07
2000–01	51	—	468	—	15	68.1	9.2	4.92
2001–02	30	—	284	—	53	18.8	9.5	5.20
2002–03	59	—	268	—	17	59.8	4.5	2.07
2003–04	59	—	673	—	73	13.7	11.4	8.00
2004–05	68	—	317	—	36	27.5	4.7	8.98
2005–06	34	—	222	—	22	45.4	6.5	9.97
2006–07	65	—	—	—	—	—	—	7.94
2007–08	38	—	186	—	23	43.7	4.9	9.33
2008–09	36	—	242	—	44	22.9	6.7	5.96
2009–10	66	57	338	—	30	33.7	5.1	8.00
2010–11	65	151	485	—	107	9.4	7.5	11.27
2011–12	43	61	153	7	31	31.8	3.8	15.08
Average	44	90	483	7	52	25.7	12.8	8.35

\*Trappers and mink per trapper include hunters and their harvest. Set-days per mink and mink per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide mink harvest trends, Utah 1982–2012.



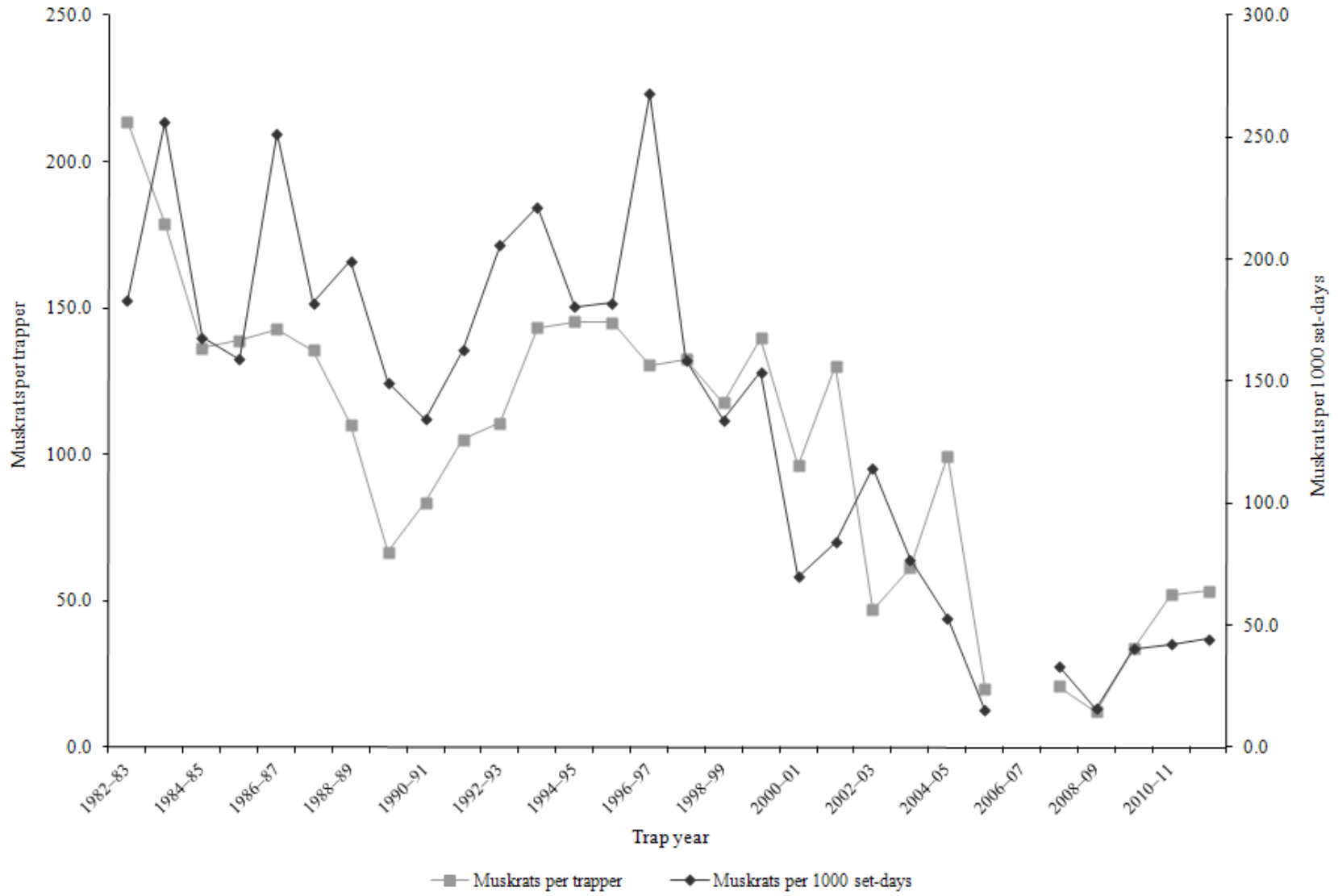
# MUSKRAT

Statewide muskrat harvest statistics, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Set-days / muskrat	Musk rats / 1000 set-days	Musk rats / trapper	Pelt price (\$)
1982–83	258	—	55137	5	183.1	213.7	2.16
1983–84	309	—	55298	4	256.2	179.0	2.46
1984–85	400	—	54526	6	168.1	136.3	2.45
1985–86	282	—	39195	6	158.9	139.0	1.86
1986–87	416	—	59368	4	251.7	142.7	2.66
1987–88	432	—	58560	5	182.2	135.6	2.46
1988–89	303	—	33400	5	199.4	110.2	1.40
1989–90	253	—	16898	7	149.6	66.8	0.89
1990–91	85	—	7102	7	134.6	83.6	0.91
1991–92	186	—	19547	6	162.7	105.1	1.60
1992–93	105	—	11623	5	205.9	110.7	1.18
1993–94	157	—	22488	5	221.5	143.2	1.89
1994–95	195	—	28369	6	180.5	145.5	1.74
1995–96	181	—	26260	5	182.2	145.1	2.09
1996–97	179	—	23371	4	267.9	130.6	3.59
1997–98	203	—	26907	6	158.7	132.5	2.01
1998–99	186	—	21895	7	134.1	117.7	1.73
1999–00	151	—	21086	7	153.7	139.6	1.00
2000–01	108	—	10376	14	69.8	96.1	1.58
2001–02	115	—	14979	12	84.0	130.3	2.60
2002–03	135	—	6334	9	114.6	46.9	1.59
2003–04	176	—	10777	13	77.0	61.2	1.57
2004–05	151	—	15016	19	53.1	99.4	1.57
2005–06	41	0	824	66	15.3	20.1	3.97
2006–07	81	—	—	—	—	—	3.31
2007–08	80	110	1665	30	33.3	20.9	3.04
2008–09	98	137	1198	63	15.9	12.2	2.49
2009–10	158	164	5341	25	40.5	33.8	4.93
2010–11	141	337	7361	24	42.2	52.2	5.40
2011–12	150*	281	7985	23	44.4	53.4	7.28
Average	191	172	22858	14	135.9	103.6	2.45

\*Includes 4 hunters who went afield but did not set traps.

Statewide muskrat harvest trends, Utah 1982–2012.



Muskrat harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest	Traps set	Trapping days	Set-days	Set-days / muskrat	Musk rats / 1000 set-days	Musk rats / trapper
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	1	4	11	53	7	107	10	100.0	3.0
Iron	0	—	—	—	—	—	—	—	—
Juab	0	—	—	—	—	—	—	—	—
Millard	0	—	—	—	—	—	—	—	—
Tooele	0	—	—	—	—	—	—	—	—
Great Basin totals	1	4	11	53	7	107	10	100.0	3.0
Cache	9	32	2059	1464	1397	85193	41	24.2	64.2
Davis	3	11	787	267	150	4311	5	182.6	73.7
Morgan	0	—	—	—	—	—	—	—	—
Piute	1	4	71	53	21	321	5	222.2	20.0
Rich	3	11	837	338	292	11901	14	70.4	78.3
Salt Lake	2	7	538	164	86	3613	7	148.9	75.5
Sanpete	1	4	0	71	107	2138	—	0.0	0.0
Sevier	3	11	663	467	591	36450	55	18.2	62.0
Summit	0	—	—	—	—	—	—	—	—
Utah	7	25	648	257	467	7354	11	88.2	26.0
Wasatch	3	11	734	260	221	5516	8	133.1	68.7
Weber	5	18	520	146	641	4881	9	106.6	29.2
Rocky Mountain totals	37	132	6857	3488	3973	161679	24	42.4	52.0
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	2	7	114	93	264	4575	40	24.9	16.0
Uintah	3	11	460	157	349	5900	13	77.9	43.0
Uintah Basin totals	5	18	574	249	613	10475	18	54.8	32.2
Carbon	0	—	—	—	—	—	—	—	—
Emery	1	4	4	7	18	36	10	100.0	1.0
Garfield	0	—	—	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—	—	—
Washington	0	—	—	—	—	—	—	—	—
Wayne	1	4	538	125	214	7482	14	71.9	151.0
Colorado Plateau totals	2	7	542	132	232	7518	14	72.0	76.0
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	41	146	7985	3923	4824	179779	23	44.4	54.7

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

## RACCOON

Statewide raccoon harvest statistics\*, Utah 1982–2012.

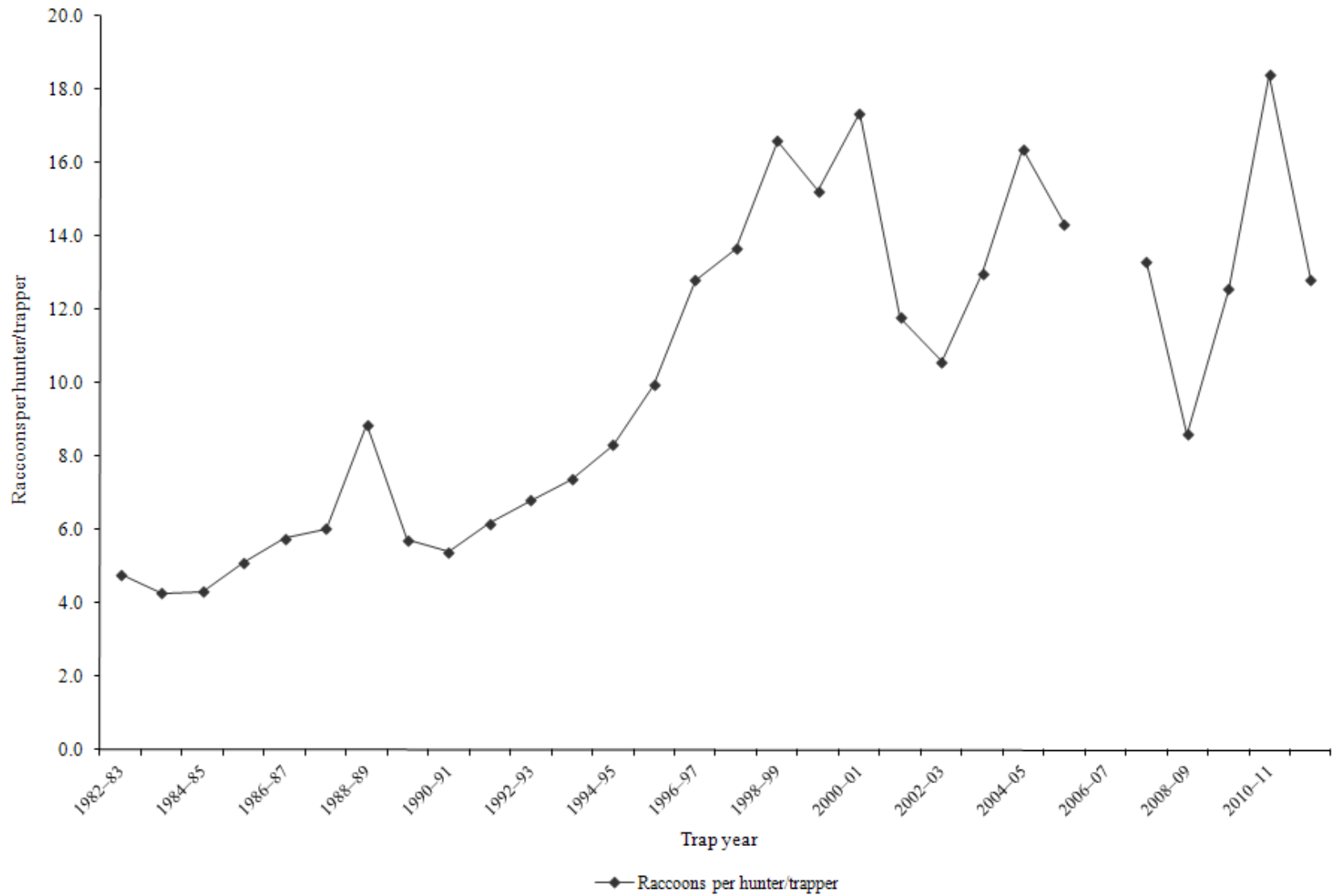
Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / raccoon	Raccoons / 1000 set-days	Raccoons / trapper	Pelt price (\$)
1982–83	178	—	853	—	19	51.3	4.8	12.34
1983–84	192	—	822	—	40	25.0	4.3	13.51
1984–85	329	—	1417	—	47	21.2	4.3	12.85
1985–86	290	—	1485	—	49	20.5	5.1	9.26
1986–87	418	—	2412	—	39	25.5	5.8	12.62
1987–88	434	—	2619	—	41	24.3	6.0	9.41
1988–89	350	—	3104	—	14	71.9	8.9	7.71
1989–90	430	—	2464	—	17	58.8	5.7	5.78
1990–91	214	—	1156	—	18	54.3	5.4	4.65
1991–92	368	—	2273	—	20	50.3	6.2	4.72
1992–93	272	—	1851	—	17	59.5	6.8	2.57
1993–94	306	—	2259	—	19	53.4	7.4	6.98
1994–95	364	—	3025	—	23	43.8	8.3	6.06
1995–96	293	—	2914	—	10	100.1	9.9	8.07
1996–97	330	—	4228	—	13	77.2	12.8	13.35
1997–98	365	—	4989	—	29	34.5	13.7	9.98
1998–99	468	—	7765	—	22	45.5	16.6	4.95
1999–00	349	—	5317	—	34	29.8	15.2	5.67
2000–01	327	—	5678	—	29	34.8	17.4	5.16
2001–02	321	—	3785	—	32	31.2	11.8	8.04
2002–03	378	—	4001	—	26	38.4	10.6	5.62
2003–04	434	—	5634	—	37	26.8	13.0	10.63
2004–05	391	—	6405	—	35	28.4	16.4	6.54
2005–06	230	—	1761	1537	246	4.1	14.3	9.83
2006–07	325	—	—	—	—	—	—	7.18
2007–08	300	—	2414	1576	50	19.8	13.3	10.85
2008–09	275	—	1639	729	58	17.4	8.6	6.21
2009–10	349	633	3439	946	39	25.9	12.6	7.09
2010–11	292	571	3958	1417	28	36.0	18.4	8.17
2011–12	289	453	3168	520	34	29.6	12.8	7.77
Average	329	552	3201	1121	37	39.3	10.4	8.12

Prior to the 2005–06 season, harvest by hunting and trapping were not collected separately and trapping harvest estimates included all harvest by hunters and trappers.

\*Trappers and foxes per trapper include hunters and their harvest. Set-days per fox and foxes per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.



Statewide raccoon harvest trends, Utah 1982–2012.



Raccoon trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest	Traps set	Trapping days	Set-days	Set-days / raccoon	Raccoons / 1000 set-days	Raccoons / trapper
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	3	11	114	118	374	3289	29	34.7	10.7
Iron	3	11	32	37	246	921	29	34.8	3.0
Juab	2	7	32	50	160	1211	38	26.5	4.5
Millard	0	—	—	—	—	—	—	—	—
Tooele	2	7	78	64	242	3335	43	23.5	11.0
Great Basin totals	10	36	256	269	1023	8756	34	29.3	7.2
Cache	7	25	534	335	727	11498	22	46.5	21.4
Davis	2	7	232	39	178	1140	5	203.1	32.5
Morgan	1	4	43	7	18	36	1	1200.0	12.0
Piute	2	7	107	143	153	3064	29	34.9	15.0
Rich	3	11	96	61	192	1119	12	86.0	9.0
Salt Lake	0	—	—	—	—	—	—	—	—
Sanpete	4	14	25	86	485	3335	134	7.5	1.8
Sevier	4	14	606	488	809	39850	66	15.2	42.5
Summit	2	7	36	46	602	4151	117	8.6	5.0
Utah	14	50	591	406	1386	12122	20	48.8	11.9
Wasatch	2	7	82	39	121	613	7	133.7	11.5
Weber	4	14	86	167	392	5722	67	14.9	6.0
Rocky Mountain totals	45	160	2438	1817	5063	82649	34	29.5	15.2
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	2	7	125	93	396	6863	55	18.2	17.5
Uintah	2	7	7	25	68	285	40	25.0	1.0
Uintah Basin totals	4	14	132	118	463	7148	54	18.4	9.3
Carbon	2	7	43	18	196	534	13	80.0	6.0
Emery	4	14	232	64	966	5587	24	41.5	16.3
Garfield	0	—	—	—	—	—	—	—	—
Grand	0	—	—	—	—	—	—	—	—
Kane	0	—	—	—	—	—	—	—	—
San Juan	0	—	—	—	—	—	—	—	—
Washington	2	7	68	53	86	577	9	117.3	9.5
Wayne	1	4	0	36	160	1603	—	0.0	0.0
Colorado Plateau totals	9	32	343	171	1407	8302	24	41.2	10.7
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	64	228	3168	2375	7956	106855	34	29.6	13.9

\*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 2011–12.

County	n	Hunters afield	Non-trap harvest	Hunter-days afield	Hunter-days / raccoon	Raccoons / hunter
Beaver	0	—	—	—	—	—
Box Elder	0	—	—	—	—	—
Iron	0	—	—	—	—	—
Juab	0	—	—	—	—	—
Millard	1	4	4	7	2	1.0
Tooele	0	—	—	—	—	—
Great Basin totals	1	4	4	7	2	1.0
Cache	2	7	107	227	2	15.0
Davis	1	4	7	160	23	2.0
Morgan	3	11	86	196	2	8.0
Piute	0	—	—	—	—	—
Rich	0	—	—	—	—	—
Salt Lake	1	4	103	107	1	29.0
Sanpete	0	—	—	—	—	—
Sevier	0	—	—	—	—	—
Summit	3	11	32	401	13	3.0
Utah	4	14	32	68	2	2.3
Wasatch	1	4	0	4	—	0.0
Weber	2	7	21	46	2	3.0
Rocky Mountain totals	17	61	388	1209	3	6.4
Daggett	0	—	—	—	—	—
Duchesne	0	—	—	—	—	—
Uintah	1	4	14	21	2	4.0
Uintah Basin totals	1	4	14	21	2	4.0
Carbon	2	7	18	78	4	2.5
Emery	1	4	89	107	1	25.0
Garfield	1	4	0	107	—	0.0
Grand	0	—	—	—	—	—
Kane	0	—	—	—	—	—
San Juan	0	—	—	—	—	—
Washington	2	7	7	14	2	1.0
Wayne	0	—	—	—	—	—
Colorado Plateau totals	6	21	114	306	3	5.3
Unknown	0	—	—	—	—	—
Statewide totals*	21	75	520	1544	3	7.0

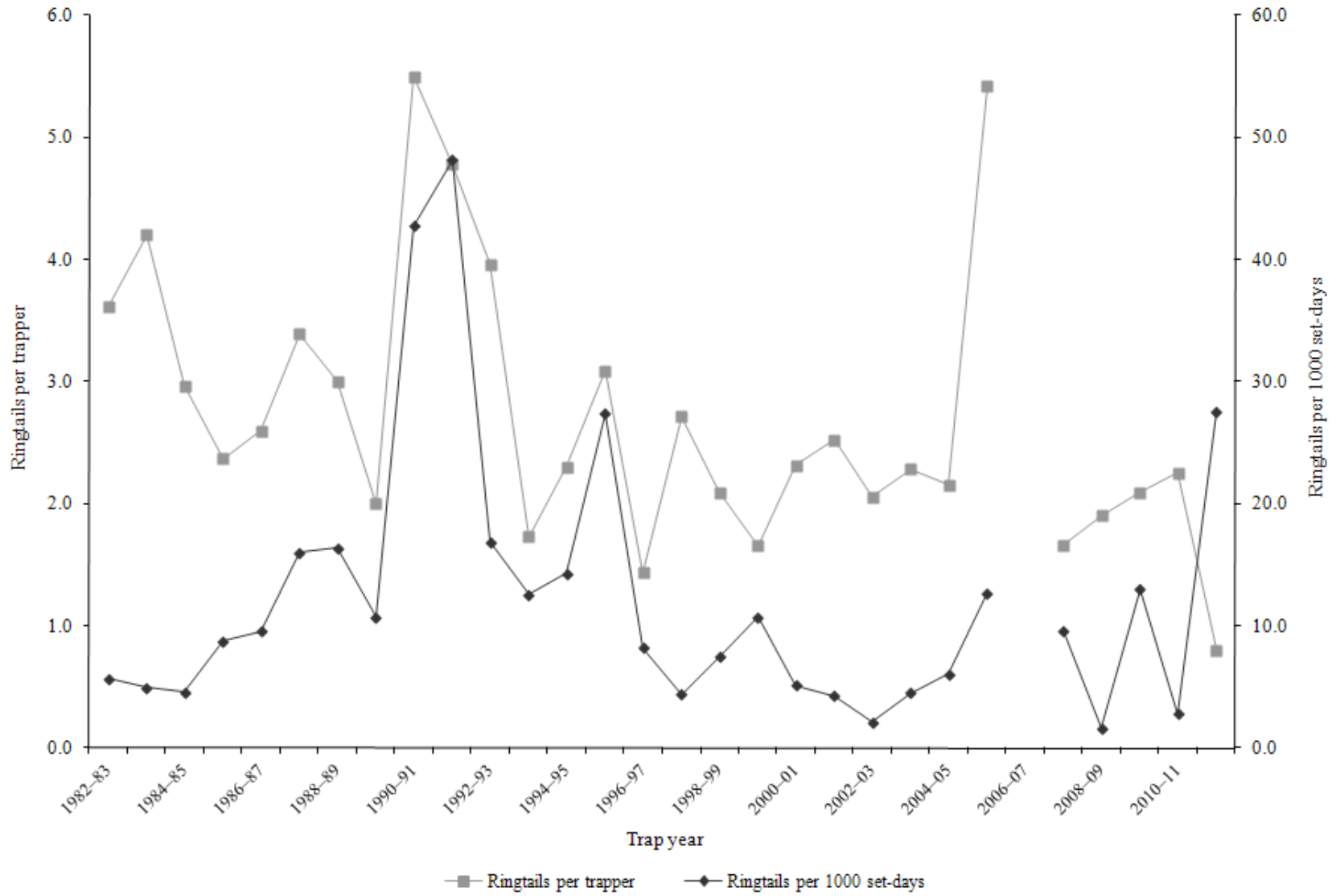
\*Statewide totals for sample size and hunters afield are not totals of the columns because hunters hunted multiple counties.

## RINGTAIL

Statewide ringtail harvest statistics, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Set-days / ringtail	Ringtails / 1000 set-days	Ringtails / trapper	Pelt price (\$)
1982–83	90	—	325	176	5.7	3.6	4.40
1983–84	90	—	378	203	4.9	4.2	3.96
1984–85	85	—	252	218	4.6	3.0	3.15
1985–86	68	—	161	114	8.8	2.4	2.69
1986–87	79	—	205	105	9.6	2.6	3.64
1987–88	79	—	268	62	16.0	3.4	2.40
1988–89	62	—	186	61	16.4	3.0	5.70
1989–90	66	—	132	93	10.7	2.0	2.65
1990–91	18	—	99	23	42.8	5.5	3.50
1991–92	46	—	220	21	48.1	4.8	3.22
1992–93	27	—	107	59	16.9	4.0	3.97
1993–94	37	—	64	80	12.6	1.7	4.04
1994–95	69	—	159	70	14.3	2.3	6.41
1995–96	44	—	136	37	27.4	3.1	6.96
1996–97	32	—	46	122	8.2	1.4	11.68
1997–98	21	—	57	227	4.4	2.7	2.99
1998–99	66	—	138	134	7.5	2.1	4.17
1999–00	61	—	101	93	10.7	1.7	7.03
2000–01	51	—	118	194	5.2	2.3	6.00
2001–02	40	—	101	236	4.2	2.5	10.29
2002–03	56	—	115	474	2.1	2.1	5.20
2003–04	42	—	96	223	4.5	2.3	6.83
2004–05	59	—	127	165	6.1	2.2	11.12
2005–06	19	—	103	79	12.7	5.4	9.31
2006–07	98	—	—	—	—	—	12.37
2007–08	65	—	108	104	9.6	1.7	14.86
2008–09	31	—	59	621	1.6	1.9	10.70
2009–10	22	63	46	77	13.0	2.1	15.00
2010–11	16	26	36	356	2.8	2.3	18.91
2011–12	18	14	14	36	27.6	0.8	12.21
Average	52	34	136	154	12.4	2.7	7.18

Statewide ringtail harvest trends, Utah 1982–2012.



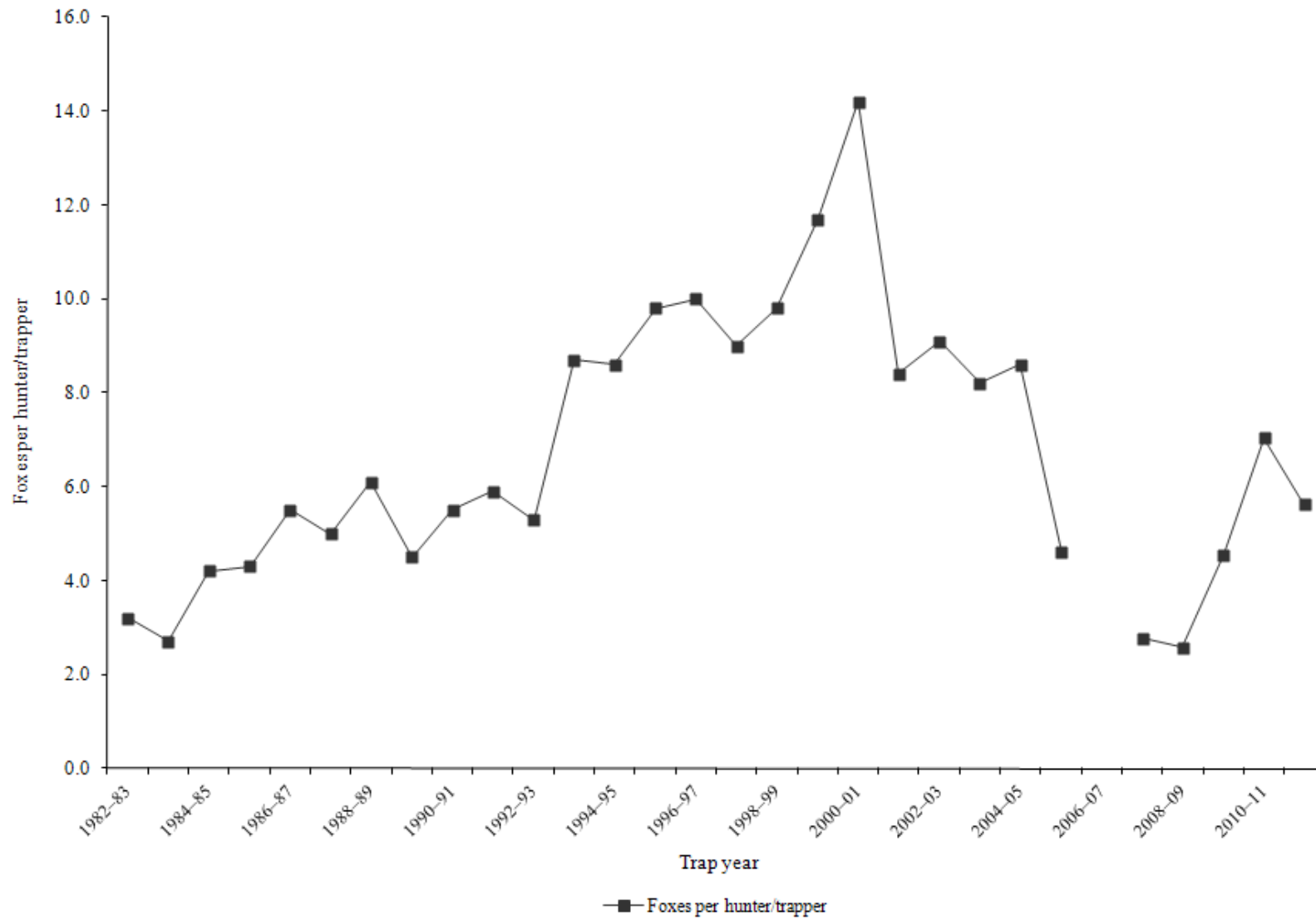
## RED FOX

Statewide red fox harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / fox	Foxes / 1000 set-days	Foxes / trapper	Pelt price (\$)
1982–83	172	—	544	—	128	7.8	3.2	30.13
1983–84	191	—	523	—	134	7.5	2.7	28.43
1984–85	298	—	1244	—	116	8.7	4.2	25.9
1985–86	316	—	1351	—	74	13.6	4.3	15.83
1986–87	444	—	2446	—	59	17.1	5.5	20.14
1987–88	506	—	2545	—	50	20.2	5	13.66
1988–89	398	—	2446	—	34	29.2	6.1	6.57
1989–90	496	—	2250	—	40	25.3	4.5	7.8
1990–91	365	—	1993	—	25	40.0	5.5	6.34
1991–92	623	—	3663	—	28	35.4	5.9	10.7
1992–93	594	—	3126	—	27	37.5	5.3	10.12
1993–94	578	—	5055	—	26	38.9	8.7	14.74
1994–95	509	—	4378	—	36	28.0	8.6	15.34
1995–96	421	—	4115	—	26	38.7	9.8	18.08
1996–97	427	—	4274	—	27	36.8	10	17.48
1997–98	414	—	3744	—	32	31.5	9	11.31
1998–99	570	—	5600	—	34	29.5	9.8	8.95
1999–00	420	—	4900	—	44	22.7	11.7	14.19
2000–01	375	—	5330	—	52	19.1	14.2	16.92
2001–02	379	—	3192	—	59	16.9	8.4	24.48
2002–03	482	—	4399	—	76	13.1	9.1	28.19
2003–04	568	—	4639	—	71	14.1	8.2	18.07
2004–05	545	—	4674	—	102	9.8	8.6	18.86
2005–06	406	—	1874	—	196	5.1	4.6	24.35
2006–07	496	—	—	—	—	—	—	20.49
2007–08	407	—	1130	—	174	5.7	2.8	21.42
2008–09	339	—	872	—	261	3.8	2.6	17.98
2009–10	461	557	1908	192	102	9.8	4.6	16.32
2010–11	376	216	2435	213	84	12.0	7.0	22.62
2011–12	335	388	1757	128	84	11.9	5.6	42.47
Average	430	387	2980	178	76	20.3	6.7	18.26

\*Trappers and foxes per trapper include hunters and their harvest. Set-days per fox and foxes per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide red fox harvest trends, Utah 1982–2012.



Red fox trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Trappers afield	Trap harvest	Traps set	Trapping days	Set-days	Set-days / fox	Foxes / 1000 set-days	Foxes / trapper
Beaver	0	—	—	—	—	—	—	—	—
Box Elder	5	18	46	363	698	14491	313	3.2	2.6
Iron	8	29	303	244	753	6132	20	49.4	10.6
Juab	4	14	43	132	321	2961	69	14.4	3.0
Millard	1	4	11	53	50	748	70	14.3	3.0
Tooele	4	14	100	185	666	13048	131	7.6	7.0
Great Basin totals	22	78	503	978	2488	37381	74	13.4	6.4
Cache	6	21	182	388	887	15428	85	11.8	8.5
Davis	1	4	14	18	160	802	56	17.8	4.0
Morgan	0	—	—	—	—	—	—	—	—
Piute	1	4	21	43	29	342	16	62.5	6.0
Rich	0	—	—	—	—	—	—	—	—
Salt Lake	1	4	75	86	107	2565	34	29.2	21.0
Sanpete	4	14	39	125	584	4906	125	8.0	2.8
Sevier	9	32	267	638	1119	42818	160	6.2	8.3
Summit	0	—	—	—	—	—	—	—	—
Utah	12	43	89	285	973	7205	81	12.4	2.1
Wasatch	3	11	110	82	392	2202	20	50.2	10.3
Weber	8	29	221	239	798	7162	32	30.8	7.8
Rocky Mountain totals	45	160	1018	1903	5049	83430	82	12.2	6.4
Daggett	0	—	—	—	—	—	—	—	—
Duchesne	1	4	11	43	75	898	84	11.9	3.0
Uintah	2	7	21	32	125	873	41	24.5	3.0
Uintah Basin totals	3	11	32	75	200	1771	55	18.1	3.0
Carbon	1	4	7	29	214	1710	240	4.2	2.0
Emery	5	18	43	150	531	4525	106	9.4	2.4
Garfield	1	4	29	11	50	150	5	190.5	8.0
Grand	3	11	11	353	217	6841	640	1.6	1.0
Kane	2	7	4	100	178	2494	700	1.4	0.5
San Juan	1	4	11	89	214	5345	500	2.0	3.0
Washington	2	7	18	107	143	2850	160	6.3	2.5
Wayne	1	4	82	36	160	1603	20	51.1	23.0
Colorado Plateau totals	16	57	205	873	1707	25519	126	8.0	3.6
Unknown	0	—	—	—	—	—	—	—	—
Statewide totals*	77	274	1757	3829	9444	148100	84	11.9	6.4

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



Red fox non-trapping harvest statistics by county and management unit, Utah 2011–12.

County	n	Hunters afield	Non-trap harvest	Hunter-days afield	Hunter-days / fox	Foxes / hunter
Beaver	1	4	4	0	0	1.0
Box Elder	1	4	0	0	—	0.0
Iron	0	—	—	—	—	—
Juab	0	—	—	—	—	—
Millard	2	7	11	6	1	1.5
Tooele	3	11	11	0	0	1.0
Great Basin totals	7	25	25	6	0	1.0
Cache	0	—	—	—	—	—
Davis	1	4	0	0	—	0.0
Morgan	0	—	—	—	—	—
Piute	0	—	—	—	—	—
Rich	2	7	21	7	0	3.0
Salt Lake	0	—	—	—	—	—
Sanpete	0	—	—	—	—	—
Sevier	1	4	0	7	—	0.0
Summit	1	4	7	0	0	2.0
Utah	1	4	0	0	—	0.0
Wasatch	1	4	4	0	0	1.0
Weber	0	—	—	—	—	—
Rocky Mountain totals	7	25	32	14	0	1.3
Daggett	0	—	—	—	—	—
Duchesne	2	7	0	4	—	0.0
Uintah	1	4	0	0	—	0.0
Uintah Basin totals	3	11	0	4	—	0.0
Carbon	2	7	4	7	2	0.5
Emery	5	18	50	7	0	2.8
Garfield	1	4	11	0	0	3.0
Grand	1	4	0	0	—	0.0
Kane	0	—	—	—	—	—
San Juan	2	7	7	11	2	1.0
Washington	0	—	—	—	—	—
Wayne	0	—	—	—	—	—
Colorado Plateau totals	11	39	71	25	0	1.8
Unknown	0	—	—	—	—	—
Statewide totals*	20	71	128	49	0	1.8

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

## SPOTTED SKUNK

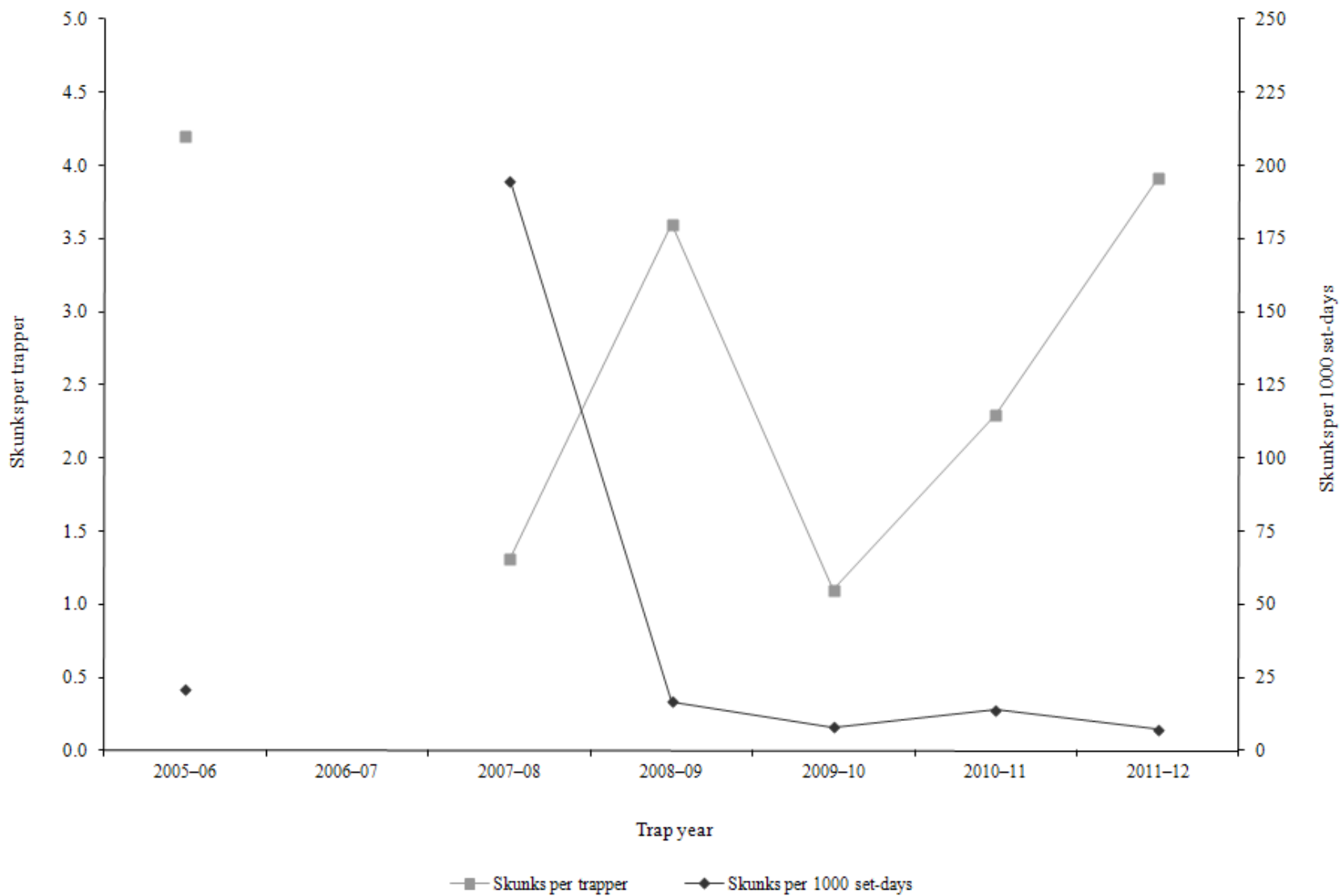
Statewide spotted skunk harvest statistics\*, Utah 2006–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / skunk	Skunks / 1000 set-days	Skunks / trapper	Pelt price (\$)
2005–06	34	—	144	—	47	21.2	4.2	5.37
2006–07	106	—	—	—	—	—	—	12.42
2007–08	34	—	45	—	5	194.8	1.3	12.07
2008–09	67	—	238	—	60	16.8	3.6	8.00
2009–10	19	95	21	—	124	8.1	1.1	15.00
2010–11	33	200	76	—	71	14.0	2.3	15.00
2011–12	11	221	14	29	135	7.4	3.9	8.25
Average	43	172	90	29	74	43.7	2.7	10.87

Prior to 2005–06, spotted skunk harvest and trapping activity were combined with striped skunk.

\*Trappers and skunks per trapper include hunters and their harvest. Set-days per skunk and skunks per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide spotted skunk\* harvest trends, Utah 2005–2012.



\*Prior to 2005–06, spotted skunk harvest and trapping activity were combined with striped skunk.

## STRIPED SKUNK

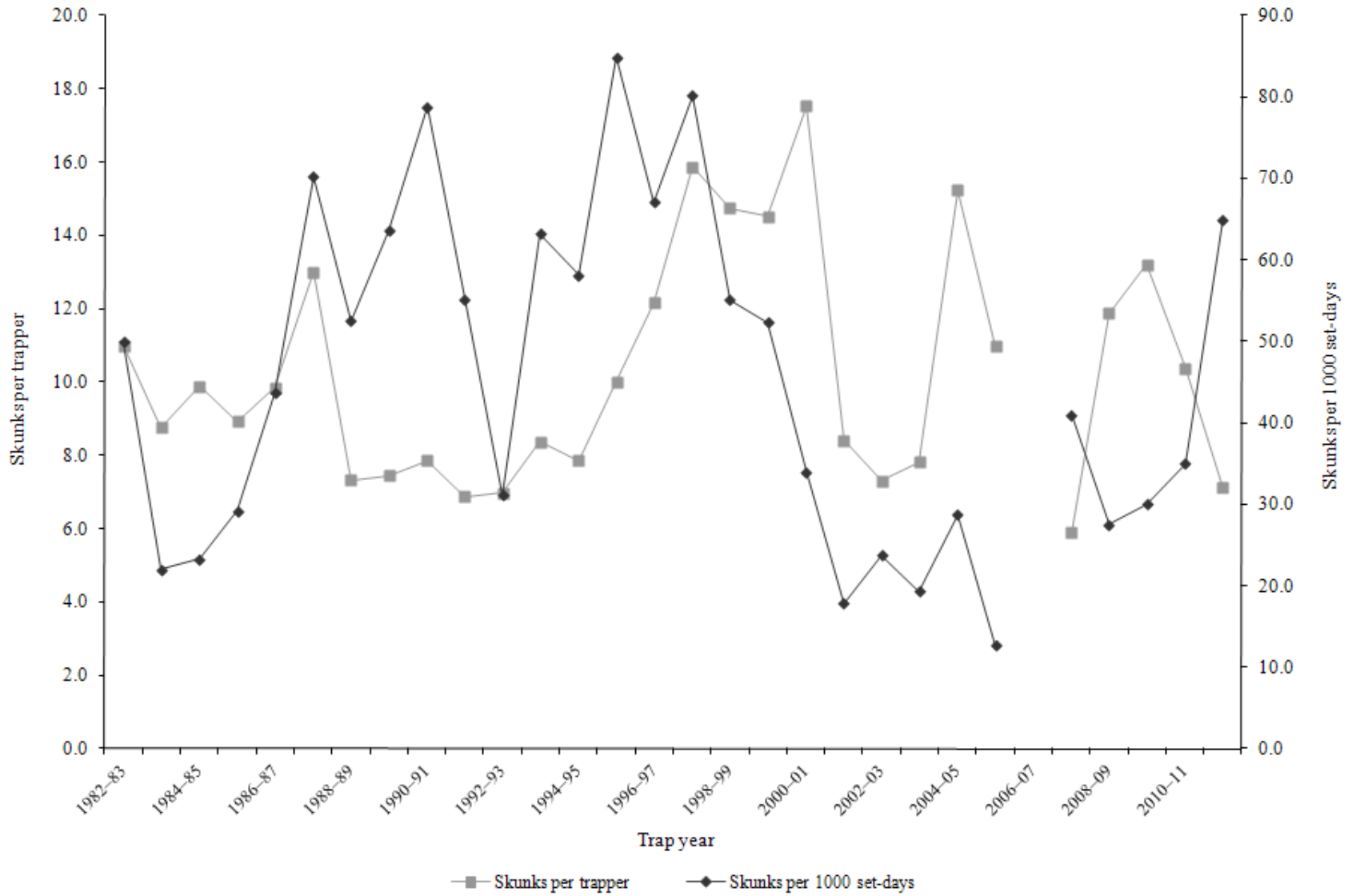
Statewide striped skunk harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / skunk	Skunks / 1000 set-days	Skunks / trapper	Pelt price (\$)
1982–83	140	—	1540	—	20	49.9	11.0	3.00
1983–84	144	—	1262	—	45	22.0	8.8	2.85
1984–85	111	—	1097	—	43	23.3	9.9	2.17
1985–86	195	—	1741	—	34	29.1	8.9	—
1986–87	188	—	1851	—	23	43.6	9.8	—
1987–88	185	—	2404	—	14	70.2	13.0	1.05
1988–89	132	—	966	—	19	52.5	7.3	0.30
1989–90	173	—	1289	—	16	63.6	7.5	0.30
1990–91	82	—	645	—	13	78.8	7.9	0.30
1991–92	151	—	1037	—	18	55.2	6.9	4.00
1992–93	132	—	922	—	32	31.1	7.0	5.30
1993–94	175	—	1465	—	16	63.2	8.4	7.35
1994–95	183	—	1438	—	17	58.1	7.9	9.29
1995–96	175	—	1753	—	12	84.9	10.0	6.63
1996–97	142	—	1726	—	15	67.1	12.2	6.00
1997–98	182	—	2890	—	12	80.2	15.9	4.11
1998–99	219	—	3227	—	18	55.1	14.7	5.67
1999–00	188	—	2730	—	19	52.3	14.5	8.50
2000–01	220	—	3857	—	29	34.0	17.5	8.69
2001–02	214	—	1798	—	56	17.8	8.4	6.79
2002–03	237	—	1732	—	42	23.7	7.3	4.24
2003–04	295	—	2305	—	52	19.3	7.8	10.00
2004–05	280	—	4264	—	35	28.7	15.2	4.64
2005–06	95	—	1043	—	79	12.6	11.0	5.37
2006–07	138	—	—	—	—	—	—	6.07
2007–08	144	—	848	—	24	41.0	5.9	4.52
2008–09	143	—	1697	—	36	27.6	11.9	3.15
2009–10	124	1632	1638	—	33	30.0	13.2	6.47
2010–11	154	1136	1597	—	29	35.0	10.4	5.29
2011–12	107	916	602	160	15	65.0	7.1	4.55
Average	168	1228	1771	160	28	45.3	10.2	4.88

Prior to 2005–06, harvest and trapping activity included both striped skunk and spotted skunk.

\*Trappers and skunks per trapper include hunters and their harvest. Set-days per skunk and skunks per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide striped skunk\* harvest trends, Utah 1982–2012.



\*Prior to 2005–06, harvest and trapping activity included both striped skunk and spotted skunk.

## WEASEL

Statewide weasel harvest statistics\*, Utah 1982–2012.

Trap year	Trappers afield	Incidental harvest	Trap harvest	Hunt harvest	Set-days / weasel	Weasels / 1000 set-days	Weasels / trapper	Pelt price (\$)
1982–83	19	—	59	—	16	61.5	3.1	1.00
1983–84	22	—	33	—	117	8.5	1.5	0.00
1984–85	46	—	75	—	106	9.4	1.6	0.75
1985–86	33	—	67	—	149	6.7	2.0	0.00
1986–87	50	—	123	—	42	23.6	2.5	1.50
1987–88	61	—	212	—	28	36.1	3.5	1.18
1988–89	24	—	91	—	9	115.0	3.8	0.25
1989–90	25	—	33	—	166	6.0	1.3	0.25
1990–91	14	—	31	—	40	24.8	2.2	0.30
1991–92	17	—	19	—	9	113.1	1.1	0.30
1992–93	24	—	28	—	10	98.6	1.2	0.30
1993–94	20	—	31	—	7	149.0	1.6	5.11
1994–95	18	—	13	—	1189	0.8	0.7	1.57
1995–96	24	—	299	—	69	14.6	12.5	3.08
1996–97	11	—	13	—	24	41.7	1.2	7.40
1997–98	20	—	28	—	111	9.0	1.4	3.03
1998–99	15	—	33	—	157	6.4	2.2	5.50
1999–00	34	—	66	—	16	62.4	1.9	—
2000–01	36	—	155	—	34	29.3	4.3	8.50
2001–02	6	—	13	—	0	—	2.2	—
2002–03	6	—	3	—	39	25.4	0.5	4.76
2003–04	18	—	58	—	73	13.8	3.2	—
2004–05	25	—	85	—	23	43.9	3.4	2.90
2005–06	41	—	190	—	43	23.3	4.6	—
2006–07	49	—	—	—	—	—	—	6.26
2007–08	11	—	15	—	39	25.6	1.3	2.99
2008–09	14	—	11	—	22	44.9	0.8	—
2009–10	29	13	47	—	196	5.1	1.6	7.64
2010–11	23	20	17	—	78	12.8	0.7	7.21
2011–12	25	4	0	21	—	0.0	0.9	4.58
Average	25	12	64	21	100	36.1	2.4	3.05

\*Trappers and weasels per trapper include hunters and their harvest. Set-days per weasel and weasels per 1000 set-days are based only on trapping activity, and do not include hunt harvest or hunter-days afield.

Statewide weasel harvest trends, Utah 1982–2012.

