

UTAH BLACK BEAR ANNUAL REPORT 2023



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Annual Performance Report for Federal Aid Project W-65-M, segments 71 and 72

State of Utah
Department of Natural Resources
DIVISION OF WILDLIFE RESOURCES

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INTRODUCTION

The black bear harvest report presents black bear harvest and hunter effort trends across the state of Utah, based on data collected from bear hunters and compiled by the Utah Division of Wildlife Resources (Division). This report represents the black bear portion of Federal Aid Project W-65-M, segments 71 and 72, grant agreement periods July 1, 2022 through June 30, 2023 and July 1, 2023 through June 30, 2024, respectively. This Federal Aid project covers the 2023 black bear hunting seasons. This report presents black bear statewide trends since the 1960s, as well as population trend indicators.

This annual report presents the most complete and accurate summary of black bear harvest data available at the time of publication. Occasionally, we will adjust previous years' harvest numbers in a subsequent report as more data were made available after publication. This is typically the case with counts of depredation (Wildlife Services/UDAF removal) mortality, and only rarely will counts of hunter harvest need adjustment.

METHODS

In addition to its traditional limited-entry hunts, Utah offered two additional types of bear hunts in 2023: spot-and-stalk-only hunts, where hunters could not use dogs or bait; and harvest-objective hunts, where an unlimited number of hunters could hunt in the harvest-objective unit until the quota was met or the season ended. Bait was not allowed during harvest-objective hunts, and dogs were also not allowed during the fall harvest-objective seasons. Black bear pursuit was open in all 24 bear units. Three units (Book Cliffs, La Sal, and San Juan) were closed to general black bear pursuit during the summer and only pursuers who applied for and obtained a restricted pursuit permit were allowed to pursue in one of those units. A list of bear units, season dates, rules and regulations for the 2023 black bear hunting and pursuit seasons can be found in the 2023 Utah Black Bear Guidebook.

All successful hunters were required to have their bear checked at a Division office or by an officer within 48 hours of harvest. At that time, tooth samples were collected, and a permanent tag affixed. Bear harvest information was also collected. Teeth were sectioned and cementum annuli counted by an independent lab, to estimate age of harvested bear. Bears aged to be 5-yrs or older were considered adults for the purposes of calculating percent adult males in the harvest. Bear pursuit information was obtained using a telephone survey of a statistically-valid random sample of bear pursuit permit holders. Data were not collected for the fall pursuit season.

Harvest data from depredating black bears were taken from damage reports received from the Utah Department of Agriculture (UDAF) and from bears taken by Division personnel. Prior to 2023, USDA-APHIS Wildlife Services provided all depredation services and reports. Livestock operators could kill damaging bears and were required to have the carcass checked by a Division officer within 48 hours. Harvest information was collected at that time. Other mortality includes roadkill, poaching, found dead, etc.

RESULTS

In 2023, 999 limited-entry black bear permits, 41 conservation permits, and 766 harvest-

objective permits were sold. Hunters harvested 342 bears, 75 taken in the spring, 158 in summer, and 109 in the fall. 33% of permits/quota were filled. Three fall harvest-objective units (Chalk Creek/East Canyon/Morgan-South Rich; North Slope, Three Corners/West Daggett; South Slope, Yellowstone) filled their harvest objectives in 2023 and closed early. The percent of females in the harvest decreased slightly from 44% in 2022 to 42% in 2023. 24 bears were killed or died as the result of depredation or other mortality.

Utah issued 463 black bear pursuit permits in 2023. 105 permits were sold through a drawing system and were valid for one restricted summer pursuit unit/season, while 5 nonresident permits were sold through a drawing system and were valid for a single restricted spring pursuit unit. These restricted permits were also valid on all other unrestricted units and seasons. A total of 232 pursuers went afield during the spring pursuit season, 146 pursuers pursued in unrestricted units during the summer pursuit season. Two nonresident pursuers pursued in restricted units during the restricted spring pursuit season, although this projection was based on a very small sample of 3 of the 5 permit holders. 57 pursuers pursued in restricted units during the restricted summer pursuit seasons. During the spring season, pursuers treed 0.3 bears per day, and pursuers treed 0.3 bears per day during the general summer season.

More detailed information describing the 2023 black bear harvest and black bear harvest trends can be found in the following tables and figures.

Historical statewide black bear harvest statistics, Utah 1967–2000.

Year	Permits sold	Hunters afield	Harvest	% permits filled	Bears / hunter	% female	Depredation / other mortality	Total harvest / mortality	Pursuit permits*
1967	—	—	15	—	—	—	12	27	—
1968	—	—	12	—	—	—	9	21	—
1969	43	31	25	58	0.8	—	27	52	—
1970	155	119	9	6	0.1	—	18	27	—
1971	59	48	17	29	0.4	—	16	33	—
1972	96	77	19	20	0.3	—	7	26	—
1973	125	114	25	20	0.2	—	0	25	—
1974	134	117	29	22	0.3	—	9	38	—
1975	161	144	22	14	0.2	41	2	24	161
1976	107	96	10	9	0.1	42	7	17	48
1977	149	127	26	17	0.2	33	6	32	77
1978	222	185	40	18	0.2	33	10	50	114
1979	240	196	26	11	0.1	19	5	31	91
1980	217	177	26	12	0.2	28	6	32	95
1981	263	227	39	15	0.2	30	4	43	95
1982	229	188	38	17	0.2	39	6	44	93
1983	219	176	18	8	0.1	44	9	27	98
1984	217	184	26	12	0.1	31	6	32	33
1985	269	230	29	11	0.1	27	10	39	86
1986	332	302	72	22	0.2	45	6	78	90
1987	326	262	44	13	0.2	35	25	69	156
1988	491	394	69	14	0.2	35	28	97	173
1989	687	556	97	14	0.2	30	10	107	187
1990	142	119	22	15	0.2	18	16	38	355
1991	142	119	35	25	0.3	23	15	50	364
1992	142	124	32	23	0.3	19	25	57	524
1993	162	136	35	22	0.3	51	12	47	570
1994	168	153	42	25	0.3	40	20	62	552
1995	175	156	53	30	0.3	34	34	87	627
1996	181	174	68	38	0.4	43	35	103	630
1997	192	176	50	26	0.3	44	31	81	638
1998	202	181	46	23	0.3	42	42	88	635
1999	220	199	57	26	0.3	30	35	92	264
2000	214	194	75	35	0.4	35	72	147	285

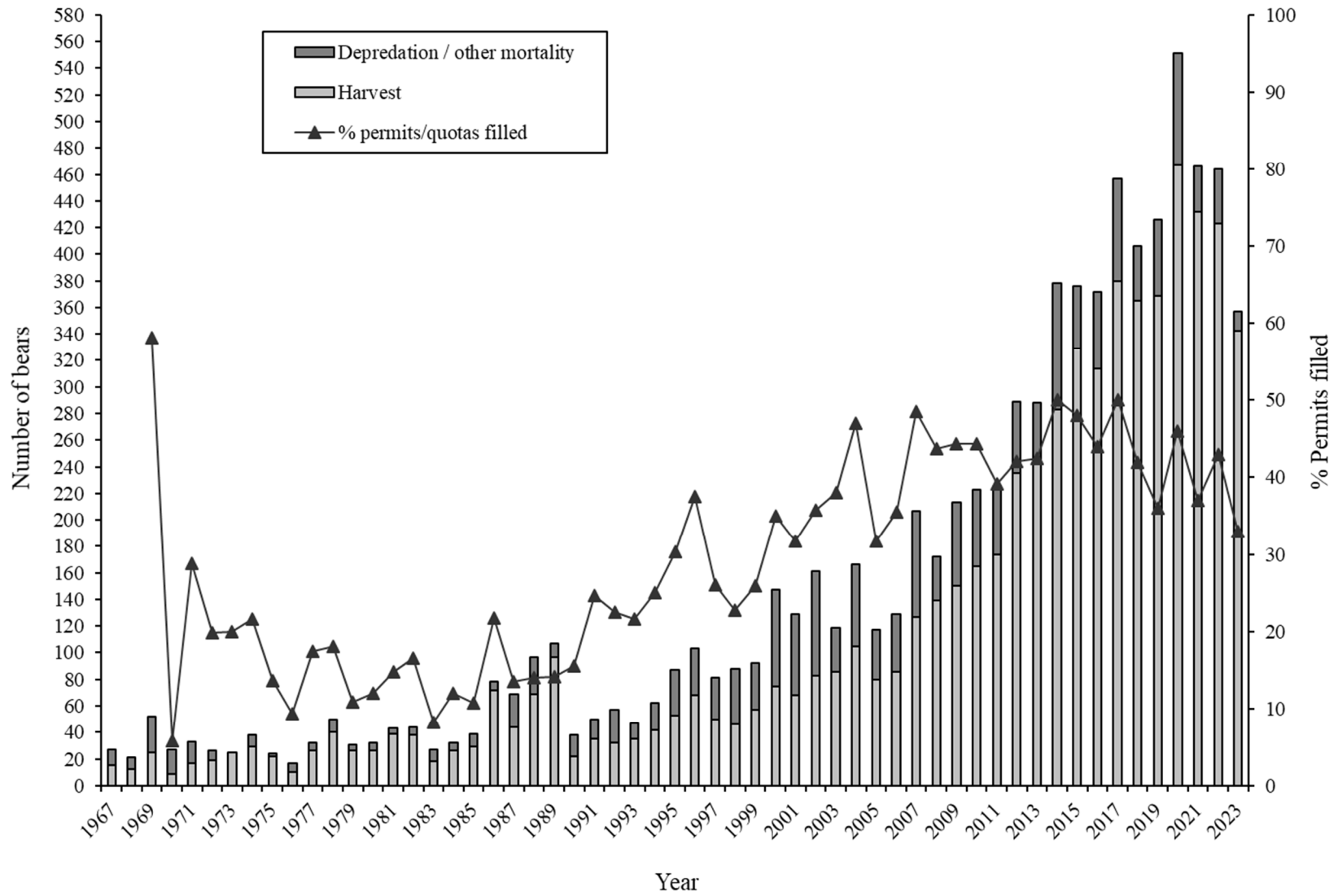
*Beginning in 1999, a bear-only pursuit permit was issued. Prior to 1999, combined cougar/bear pursuit permits were issued.

Statewide black bear harvest and mortality statistics, Utah 2001–2023.

Year	Harvest									Depredation / other mortality			Total harvest / mortality
	Permits issued*	Male	Female	Unknown	Total	% permits filled	% female	% adult male	Mean age	Male	Female	Unknown	
2001	214	41	25	2	68	32	37	—	6.9	39	21	1	129
2002	232	53	27	3	83	36	33	—	6.8	43	27	8	161
2003	226	59	27	0	86	38	31	—	7.4	22	8	3	119
2004	240	83	22	0	105	44	21	—	6.6	34	23	4	166
2005	252	61	19	0	80	32	24	—	6.6	16	17	4	117
2006	242	58	28	0	86	36	33	—	6.6	20	16	7	129
2007	262	91	36	0	127	48	28	—	5.8	48	24	8	207
2008	318	96	41	2	139	44	29	—	6.3	18	8	7	172
2009	338	104	46	0	150	44	31	—	6.4	39	22	2	213
2010	372	110	55	0	165	44	33	—	6.0	36	20	2	223
2011	444	132	42	0	174	39	24	41	5.5	30	20	0	224
2012	558	151	84	0	235	42	36	32	5.8	33	19	2	289
2013	570	165	77	0	242	42	32	34	6.0	30	16	0	288
2014	570	198	85	0	283	50	30	32	5.3	57	36	2	378
2015	692	211	118	0	329	48	36	29	5.3	29	16	2	376
2016	712	219	95	0	314	44	30	36	5.5	32	24	2	372
2017	760	269	111	0	380	50	29	39	5.8	48	29	0	457
2018	859	228	137	0	365	42	38	28	5.9	26	15	0	406
2019	1017	236	133	0	369	36	36	28	5.6	37	16	4	426
2020	1034	308	159	0	467	46	34	25	5.3	58	25	1	551
2021	1179	258	172	1	431	37	40	31	5.7	15	19	2	467
2022	1037	237	186	0	423	41	44	21	5.5	25	16	0	464
2023	1040	197	142	3	342	33	42	15	5.2	15	9	0	366
Mean	571	155	81	0	237	41	33	30	6.0	33	19	3	291

*Beginning in 2012, “Permits issued” includes harvest-objective quotas but not harvest-objective permits sold.

Statewide black bear harvest and mortality, Utah 1967–2023.



Statewide black bear harvest by unit, Utah 2023.

Unit	Permits / quota*	Harvest				% permits / quota filled	% female	% adult male	Depredation mortality
		Male	Female	Unknown	Total				
Beaver	34	5	4	2	11	32	36	14	1
Book Cliffs, Bitter Creek/South	91	13	5	0	18	20	28	6	1
Book Cliffs, Little Creek Roadless	24	4	5	0	9	32	36	14	0
Cache/Ogden	9	0	0	0	0	0	—	—	0
Central Mtns, Manti-North	69	14	10	0	24	35	42	0	1
Central Mtns, Manti-South/San Rafael, North	70	26	9	0	35	50	26	17	1
Central Mtns, Nebo	32	6	4	0	10	31	40	40	0
Chalk Creek/East Canyon/Morgan-South Rich	23	6	1	0	7	30	14	33	4
Fillmore, Pahvant	3	1	0	0	1	33	0	100	0
Kamas/North Slope, Summit	22	2	2	0	4	18	50	25	0
La Sal	104	23	18	0	41	39	44	19	0
Monroe	2	1	0	0	1	50	0	100	0
Mt Dutton	10	2	2	0	4	40	50	33	0
Nine Mile	90	13	11	0	24	27	46	14	3
North Slope, Three Corners/West Daggett	8	3	2	0	5	63	40	0	1
Panguitch Lake/Zion	29	8	1	0	9	31	11	13	1
Paunsaugunt	11	2	0	0	2	18	0	50	0
Plateau, Boulder/Kaiparowits	80	9	6	0	15	19	40	8	1
Plateau, Fishlake/Thousand Lakes	20	4	4	0	8	40	50	0	0
San Juan	104	19	23	0	42	40	55	15	2
South Slope, Bonanza/Diamond Mtn/Vernal	41	4	14	0	18	44	78	11	4
South Slope, Yellowstone	22	5	4	0	9	41	44	0	0
Wasatch Mtns, Avintaquin/Currant Creek	40	9	2	1	12	30	17	10	2
Wasatch Mtns, West-Central	100	18	15	0	33	33	45	23	2
Statewide total	1040	197	142	4	342	33	42	15	24

*Includes harvest-objective season quotas, as well as conservation and sportsman permits.
This table includes conservation permits and their harvest.

Black bear spring limited-entry harvest, (any legal weapon, no bait allowed), by hunt, Utah 2023.

Hunt number	Unit	Permits	Harvest			% permits filled*
			Male	Female	Total	
BR7000	Beaver	10	1	0	1	10
BR7001	Book Cliffs, Bitter Creek/South	44	9	1	10	23
BR7017	Cache/Ogden	2	0	0	0	0
BR7003	Central Mtns, Manti-North	19	6	1	7	37
BR7004	Central Mtns, Manti-South/San Rafael, North	8	2	0	2	25
BR7005	Central Mtns, Nebo	9	0	1	1	11
BR7019	Chalk Creek/East Canyon/Morgan-South Rich	5	0	0	0	0
BR7007	Fillmore, Pahvant	1	0	0	0	0
BR7018	Kamas/North Slope, Summit	5	0	0	0	0
/BR7008	La Sal	45	7	3	10	22
BR7020	Monroe	1	0	0	0	0
BR7009	Mt Dutton	3	0	0	0	0
BR7010	Panguitch Lake/Zion	9	1	1	2	22
BR7011	Paunsaugunt	4	0	0	0	0
BR7012	Plateau, Boulder/Kaiparowits	29	2	0	2	7
BR7013	Plateau, Fishlake/Thousand Lakes	7	0	0	0	0
BR7014	San Juan	45	9	5	14	31
BR7015	South Slope, Bonanza/Diamond Mtn/Vernal	13	0	2	2	15
BR7016	Wasatch Mtns, West-Central	44	4	2	6	14

*Includes expo permits and harvest, but does not include bears taken with multi-season or conservation permits.

Black bear summer limited-entry harvest, (any legal weapon, no dogs allowed), by hunt, Utah 2023.

Hunt number	Unit	Permits	Harvest			% permits filled*
			Male	Female	Total	
BR7100	Beaver	10	4	2	7	70
BR7101	Book Cliffs, Bitter Creek/South	10	2	4	6	60
BR7102	Book Cliffs, Little Creek Roadless	4	2	1	3	75
BR7121	Cache/Ogden	2	0	0	0	0
BR7104	Central Mtns, Manti-North	13	2	4	6	46
BR7105	Central Mtns, Manti-South/San Rafael, North	17	8	4	12	71
BR7106	Central Mtns, Nebo	9	4	1	5	56
BR7122	Chalk Creek/East Canyon/Morgan-South Rich	6	3	0	3	50
BR7124	Fillmore, Pahvant	1	1	0	1	100
BR7123	Kamas/North Slope, Summit	6	2	1	3	50
BR7108	La Sal	27	5	9	14	52
BR7125	Monroe	1	1	0	1	100
BR7109	Mt Dutton	3	1	1	2	67
BR7110	Nine Mile	16	1	5	6	38
BR7111	North Slope, Three Corners/West Daggett	1	1	0	1	100
BR7112	Panguitch Lake/Zion	4	2	0	2	50
BR7113	Paunsaugunt	3	1	0	1	33
BR7114	Plateau, Boulder/Kaiparowits	22	5	3	8	36
BR7115	Plateau, Fishlake/Thousand Lakes	6	3	2	5	83
BR7116	San Juan	27	5	13	18	67
BR7117	South Slope, Bonanza/Diamond Mtn/Vernal	9	1	5	6	67
BR7118	South Slope, Yellowstone	5	1	4	5	100
BR7119	Wasatch Mtns, Avintaquin/Currant Creek	7	3	0	3	43
BR7120	Wasatch Mtns, West-Central	26	8	5	13	50

*Includes expo permits and harvest, but does not include bears taken with multi-season or conservation permits.

Black bear fall limited-entry harvest, (any legal weapon), by hunt, Utah 2023.

Hunt number	Unit	Permits	Harvest			% permits filled*
			Male	Female	Total	
BR7200	Beaver	8	0	1	2	25
BR7201	Book Cliffs, Bitter Creek/South	20	1	0	1	5
BR7228	Cache/Ogden	1	0	0	0	0
BR7203	Central Mtns, Manti-North	11	1	2	3	27
BR7204	Central Mtns, Manti-South/San Rafael, North	17	9	4	13	76
BR7205	Central Mtns, Nebo	6	1	1	2	33
BR7207	Fillmore, Pahvant	1	0	0	0	0
BR7229	Kamas/North Slope, Summit	4	0	0	0	0
BR7208	La Sal	6	3	1	4	67
BR7210	Mt Dutton	3	0	1	1	33
BR7211	Nine Mile	32	1	1	2	6
BR7212	North Slope, Three Corners/West Daggett	2	1	0	1	50
BR7213	Panguitch Lake/Zion	8	2	0	2	25
BR7214	Paunsaugunt	3	1	0	1	33
BR7215	Plateau, Boulder/Kaiparowits	12	1	1	2	17
BR7216	Plateau, Fishlake/Thousand Lakes	4	1	0	1	25
BR7217	San Juan	6	3	0	3	50
BR7218	South Slope, Bonanza/Diamond Mtn/Vernal	7	0	3	3	43
BR7219	South Slope, Yellowstone	4	0	0	0	0
BR7220	Wasatch Mtns, Avintaquin/Currant Creek	9	2	1	3	33
BR7221	Wasatch Mtns, West-Central	12	3	3	6	50

*Includes expo permits and harvest, but does not include bears taken with multi-season or conservation permits.

Black bear spot & stalk limited-entry harvest, (any legal weapon), by hunt, Utah 2023.

Hunt number	Unit	Permits	Harvest			% permits filled*
			Male	Female	Total	
BR7224	Book Cliffs, Little Creek Roadless	10	0	3	3	30
BR7225	Book Cliffs, Little Creek Roadless	7	0	0	0	0

*Includes expo permits and harvest, but does not include bears taken with multi-season or conservation permits.

Black bear harvest-objective harvest, by hunt, Utah 2023.

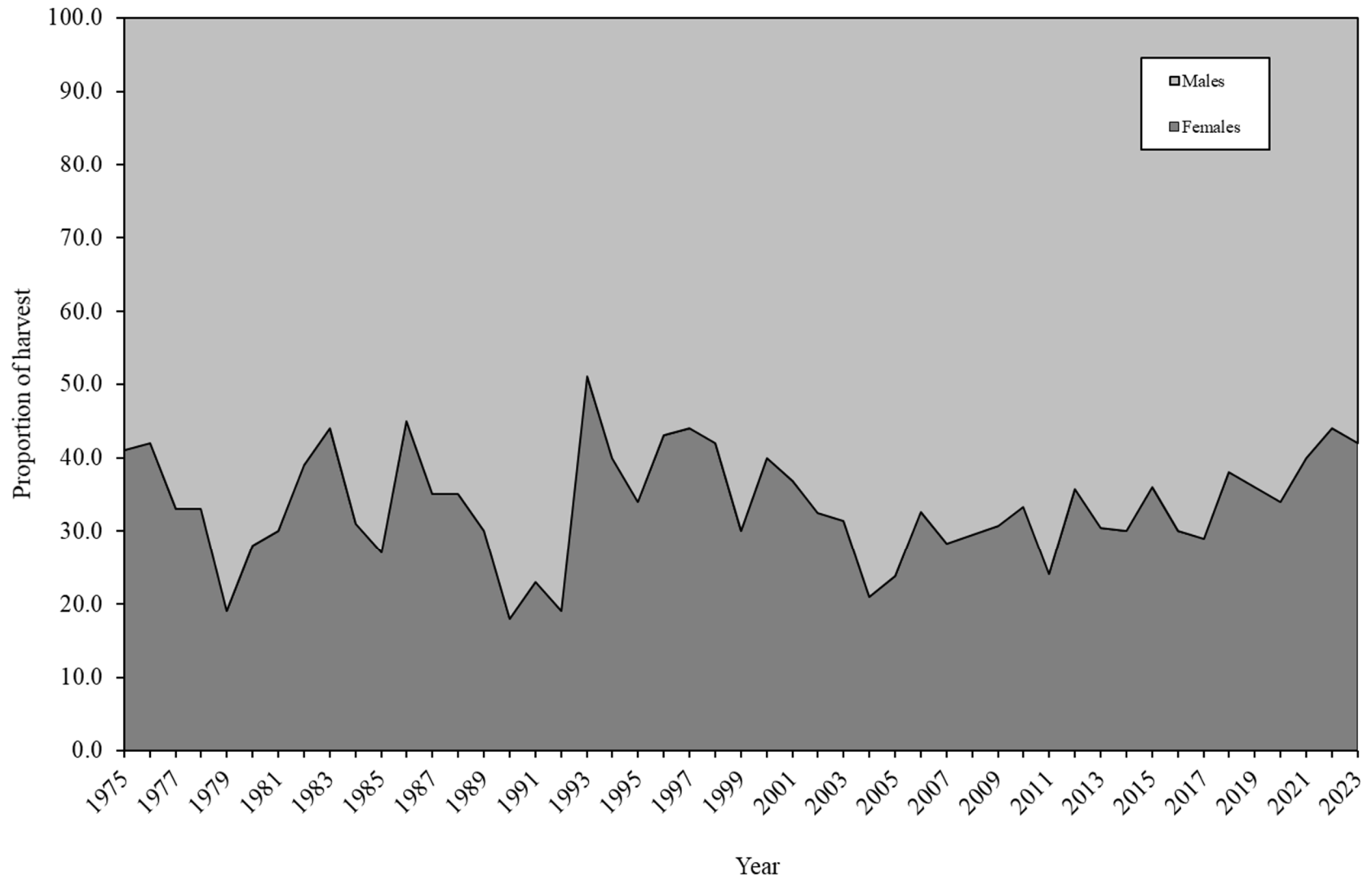
Unit	Season	Quota	Harvest			% quota filled
			Male	Female	Total	
Beaver	Fall	3	0	0	0	0
Book Cliffs, Bitter Creek/South	Fall	10	0	0	0	0
Cache/Ogden	Fall	3	0	0	0	0
Central Mtns, Manti-North	Fall	12	1	0	1	8
Central Mtns, Manti-South/San Rafael, North	Fall	12	0	1	1	8
Central Mtns, Nebo	Fall	3	0	1	1	33
Chalk Creek/East Canyon/Morgan-South Rich	Early Fall	3	3	1	4	133
Chalk Creek/East Canyon/Morgan-South Rich	Late Fall	8	0	0	0	0
Kamas/North Slope, Summit	Fall	2	0	0	0	0
La Sal	Fall	12	6	4	10	83
Nine Mile	Spring	22	7	3	10	45
Nine Mile	Fall	10	1	1	2	20
North Slope, Three Corners/West Daggett	Spring	3	0	2	2	67
North Slope, Three Corners/West Daggett	Fall	1	1	0	1	100
Panguitch Lake/Zion	Fall	3	0	0	0	0
Plateau, Boulder/Kaiparowits	Fall	4	0	0	0	0
San Juan	Fall	12	1	2	3	25
South Slope, Bonanza/Diamond Mtn/Vernal	Fall	3	1	1	2	67
South Slope, Yellowstone	Spring	7	0	0	0	0
South Slope, Yellowstone	Fall	3	4	0	4	133
Wasatch Mtns, Avintaquin/Currant Creek	Spring	12	1	0	1	8
Wasatch Mtns, Avintaquin/Currant Creek	Fall	6	2	0	2	33

Black bear multi-season* limited-entry harvest, by hunt, Utah 2023.

Hunt number	Unit	Permits	Harvest			% permits filled
			Male	Female	Total	
BR7318	Beaver	3	0	1	1	33
BR7300	Book Cliffs, Bitter Creek/South	7	1	0	1	14
BR7301	Book Cliffs, Little Creek Roadless	3	2	0	2	67
BR7320	Cache/Ogden	1	0	0	0	0
BR7303	Central Mtns, Manti-North	14	4	3	7	50
BR7304	Central Mtns, Manti-South/San Rafael, North	16	7	0	7	44
BR7305	Central Mtns, Nebo	5	1	0	1	20
BR7324	Chalk Creek/East Canyon/Morgan-South Rich	1	0	0	0	0
BR7321	Kamas/North Slope, Summit	5	0	1	1	20
BR7307	La Sal	14	2	1	3	21
BR7322	Mt Dutton	1	1	0	1	100
BR7317	Nine Mile	10	3	1	4	40
BR7308	North Slope, Three Corners/West Daggett	1	0	0	0	0
BR7309	Panguitch Lake/Zion	5	3	0	3	60
BR7323	Paunsaugunt	1	0	0	0	0
BR7310	Plateau, Boulder/Kaiparowits	13	1	2	3	23
BR7311	Plateau, Fishlake/Thousand Lakes	3	0	2	2	67
BR7312	San Juan	14	1	3	4	29
BR7313	South Slope, Bonanza/Diamond Mtn/Vernal	9	2	3	5	56
BR7314	South Slope, Yellowstone	3	0	0	0	0
BR7315	Wasatch Mtns, Avintaquin/Currant Creek	6	1	1	3*	50
BR7316	Wasatch Mtns, West-Central	18	3	5	8	44

*Includes multi-season conservation permits and their associated harvest.

Sex ratio of black bear harvest, Utah 1975–2023.



Statewide black bear pursuit statistics, Utah 2002–2023.

Year	Permits sold	n	Spring			General summer / fall		
			Pursuers	Bears / pursuit-day	Bears / pursuer	Pursuers	Bears / pursuit-day	Bears / pursuer
2002	359	88	318	0.5	7.5	—	—	—
2003	378	91	291	0.5	8.7	228	0.5	6.2
2004	373	73	309	0.4	5.0	212	0.5	5.9
2005	414	103	256	0.4	5.0	436	0.3	2.7
2006	353	78	328	0.3	3.7	—	—	—
2007	363	120	329	0.5	6.5	157	0.6	4.3
2008	391	96	313	0.6	7.8	238	0.9	5.4
2009	424	90	359	0.4	5.1	287	0.5	4.9
2010	460	172	326	0.4	4.9	164	0.3	2.6
2011	504	102	308	0.4	5.3	172	0.5	3.0
2012	456	100	285	0.4	5.6	140	0.3	2.4
2013	468	108	318	0.5	5.6	162	0.3	2.2
2014	498	99	304	0.4	5.2	175	0.5	3.3
2015	528	165	432	0.4	5.6	166	0.4	2.5
2016	492	157	345	0.5	6.4	172	0.5	3.7
2017	419	155	257	0.5	7.4	162	0.6	4.5
2018	557	177	352	0.4	5.6	179	0.4	3.2
2019	534	193	437	0.3	4.3	260	0.4	3.6
2020	518	183	348	0.3	4.9	229	0.5	4.0
2021	582	255	370	0.3	4.6	180	0.4	2.7
2022	550	239	423	0.3	4.1	253	0.3	2.1
2023	463	200	315	0.3	2.9	146	0.3	2.1
Mean	458	138	330	0.4	5.5	206	0.5	3.6

Spring 2002 includes summer/fall 2001 and spring 2002.

Spring 2003 includes summer/fall 2002 and spring 2003.

Beginning with 2007, summer/fall only includes summer season.

Beginning in 2010, general summer / fall pursuit does not include pursuit activity from restricted summer pursuit units.

Black bear pursuit statistics, restricted spring pursuit units, 2020–2023.

Year	Permits sold	n	Pursuers	Bears / pursuit-day	Bears / pursuer
2020	4	2	2	0.1	1.0
2021	5	2	0	—	—
2022	6	2	2	0.8	11.0
2023	5	3	2	0.4	12.0
Mean	5	2	2	0.4	8.0

Black bear pursuit statistics, restricted summer pursuit units, 2010–2023.

Year	Permits sold	n	Pursuers	Bears / pursuit-day	Bears / pursuer
2010	100	70	63	0.8	4.9
2011	122	57	70	0.6	4.3
2012	103	51	54	0.6	3.8
2013	98	51	65	0.8	4.3
2014	102	54	55	0.7	6.6
2015	96	45	69	0.6	3.5
2016	96	46	57	0.6	3.9
2017	96	46	49	0.6	3.5
2018	93	28	55	0.8	5.8
2019	87	33	53	0.9	4.8
2020	94	57	53	0.6	4.1
2021	89	43	49	0.5	3.0
2022	113	52	64	0.6	3.0
2023	105	53	57	0.4	2.5
Mean	100	49	58	0.7	4.1

Statewide general spring black bear pursuit statistics by unit, Utah 2023.

Unit	n	Pursuers afield	Pursuit- days afield	Number of bears treed					Bears treed / pursuit-day	Bears treed / pursuer
				Males	Females	Cubs	Unknown	Total		
Beaver	9	21	160	2	28	9	0	39	0.2	1.9
Book Cliffs, Bitter Creek/South	17	39	389	25	37	5	32	99	0.3	2.5
Book Cliffs, Little Creek Roadless	5	12	206	16	28	0	7	51	0.2	4.3
Cache/Ogden	6	14	74	2	0	0	0	2	0.0	0.1
Central Mtns, Manti-North	6	14	106	0	9	0	2	11	0.1	0.8
Central Mtns, Manti-South/San Rafael, North	4	9	49	7	19	0	0	26	0.5	2.9
Central Mtns, Nebo	4	9	46	2	2	0	0	4	0.1	0.4
Chalk Creek/East Canyon/Morgan-South Rich	1	2	58	0	5	0	0	5	0.1	2.5
Fillmore, Pahvant	1	2	23	0	0	0	0	0	0.0	0.0
Kamas/North Slope, Summit	0	0	—	—	—	—	—	—	—	—
La Sal	21	49	505	35	81	23	2	141	0.3	2.9
Monroe	0	0	—	—	—	—	—	—	—	—
Mt Dutton	0	0	—	—	—	—	—	—	—	—
Nine Mile	5	12	37	2	2	7	0	11	0.3	0.9
North Slope, Three Corners/West Daggett	0	0	—	—	—	—	—	—	—	—
Panguitch Lake/Zion	2	5	39	9	0	0	0	9	0.2	1.8
Paunsaugunt	3	7	81	0	5	0	0	5	0.1	0.7
Plateau, Boulder/Kaiparowits	6	14	102	5	7	0	0	12	0.1	0.9
Plateau, Fishlake/Thousand Lakes	5	12	69	9	19	0	0	28	0.4	2.3
San Juan	6	14	190	19	51	14	12	96	0.5	6.9
South Slope, Bonanza/Diamond Mtn/Vernal	7	16	88	9	5	0	9	23	0.3	1.4
South Slope, Yellowstone	4	9	67	0	2	0	0	2	0.0	0.2
Wasatch Mtns, Avintaquin/Currant Creek	6	14	97	2	12	5	7	26	0.3	1.9
Wasatch Mtns, West-Central	4	9	111	14	23	5	0	42	0.4	4.7
Unknown	6	14	150	32	25	14	0	71	0.5	5.1
Statewide total*	100	232	2487	188	332	73	71	664	0.3	2.9

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

Statewide general summer black bear pursuit statistics by unit, Utah 2023.

Unit	n	Pursuers afield	Pursuit- days afield	Number of bears treed					Bears treed / pursuit-day	Bears treed / pursuer
				Males	Females	Cubs	Unknown	Total		
Beaver	5	12	93	5	16	5	5	31	0.3	2.6
Cache/Ogden	4	9	46	0	2	0	0	2	0.0	0.2
Central Mtns, Manti-North	6	14	104	5	21	7	5	38	0.4	2.7
Central Mtns, Manti-South/San Rafael, North	12	28	155	21	23	19	5	68	0.4	2.4
Central Mtns, Nebo	5	12	90	5	16	9	2	32	0.4	2.7
Chalk Creek/East Canyon/Morgan-South Rich	0	0	—	—	—	—	—	—	—	—
Fillmore, Pahvant	1	2	19	0	0	0	0	0	0.0	0.0
Kamas/North Slope, Summit	0	0	—	—	—	—	—	—	—	—
Monroe	0	0	—	—	—	—	—	—	—	—
Mt Dutton	0	0	—	—	—	—	—	—	—	—
Nine Mile	1	2	14	0	5	2	0	7	0.5	3.5
North Slope, Three Corners/West Daggett	0	0	—	—	—	—	—	—	—	—
Panguitch Lake/Zion	0	0	—	—	—	—	—	—	—	—
Paunsaugunt	2	5	32	5	5	2	0	12	0.4	2.4
Plateau, Boulder/Kaiparowits	2	5	14	0	5	2	2	9	0.6	1.8
Plateau, Fishlake/Thousand Lakes	1	2	23	7	5	0	0	12	0.5	6.0
South Slope, Bonanza/Diamond Mtn/Vernal	4	9	56	5	14	0	0	19	0.3	2.1
South Slope, Yellowstone	4	9	76	0	2	0	2	4	0.1	0.4
Wasatch Mtns, Avintaquin/Currant Creek	6	14	100	12	23	2	0	37	0.4	2.6
Wasatch Mtns, West	9	21	185	16	32	0	0	48	0.3	2.3
Unknown	5	12	63	0	9	5	0	14	0.2	1.2
Statewide total*	63	146	977	76	162	48	16	302	0.3	2.1

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

41% of permit holders indicated that they intended to pursue fall season.

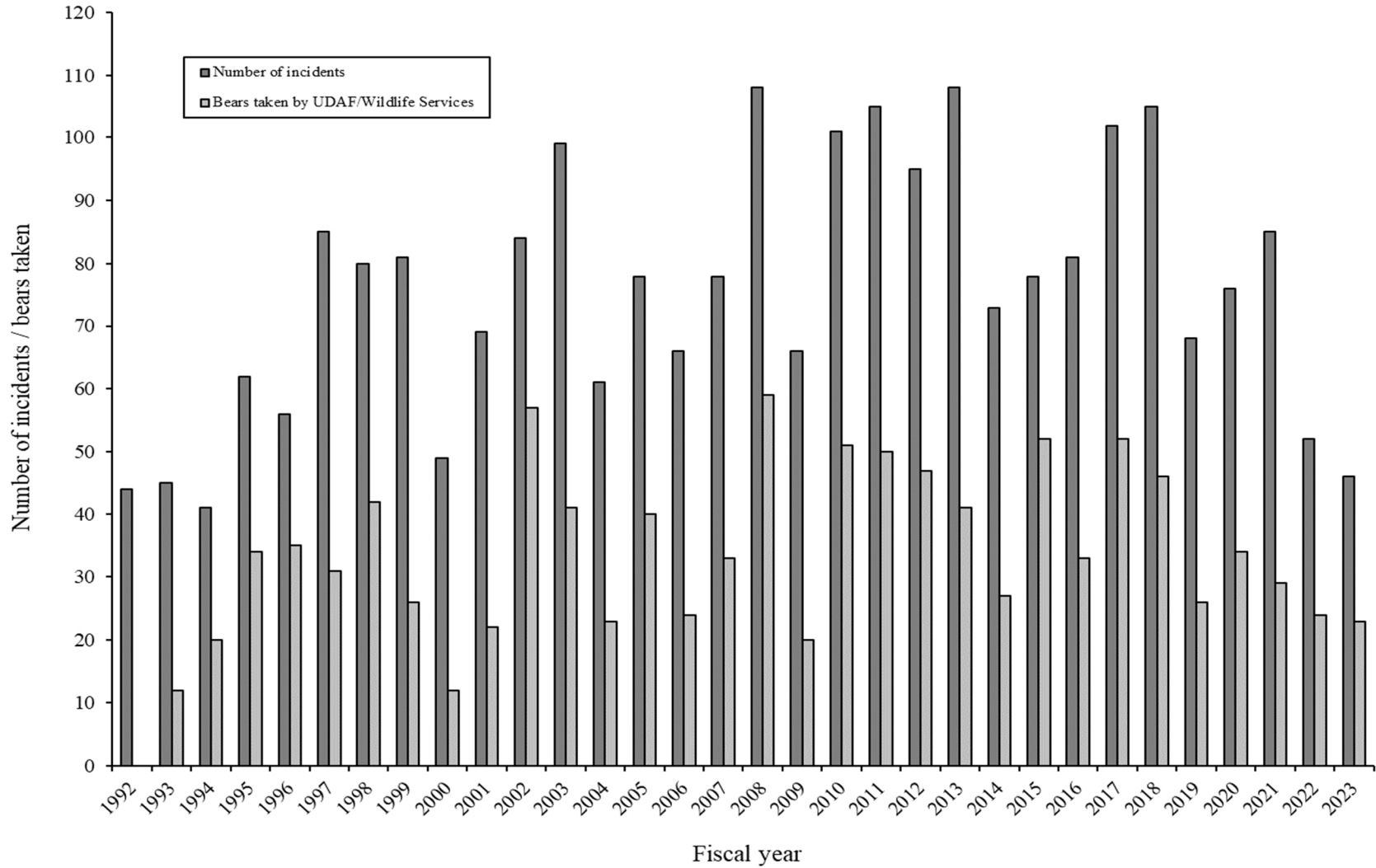
Non-resident spring black bear pursuit statistics in restricted units, Utah 2023.

Unit and season	Permits	n	Pursuers afield	Pursuit- days afield	Number of bears treed					Bears treed / pursuit-day	Bears treed / pursuer
					Males	Females	Cubs	Unknown	Total		
Book Cliffs	1	0	—	—	—	—	—	—	—	—	—
La Sal	2	2	0	—	—	—	—	—	—	—	—
San Juan	2	1	2	66	4	10	10	0	24	0.4	12.0

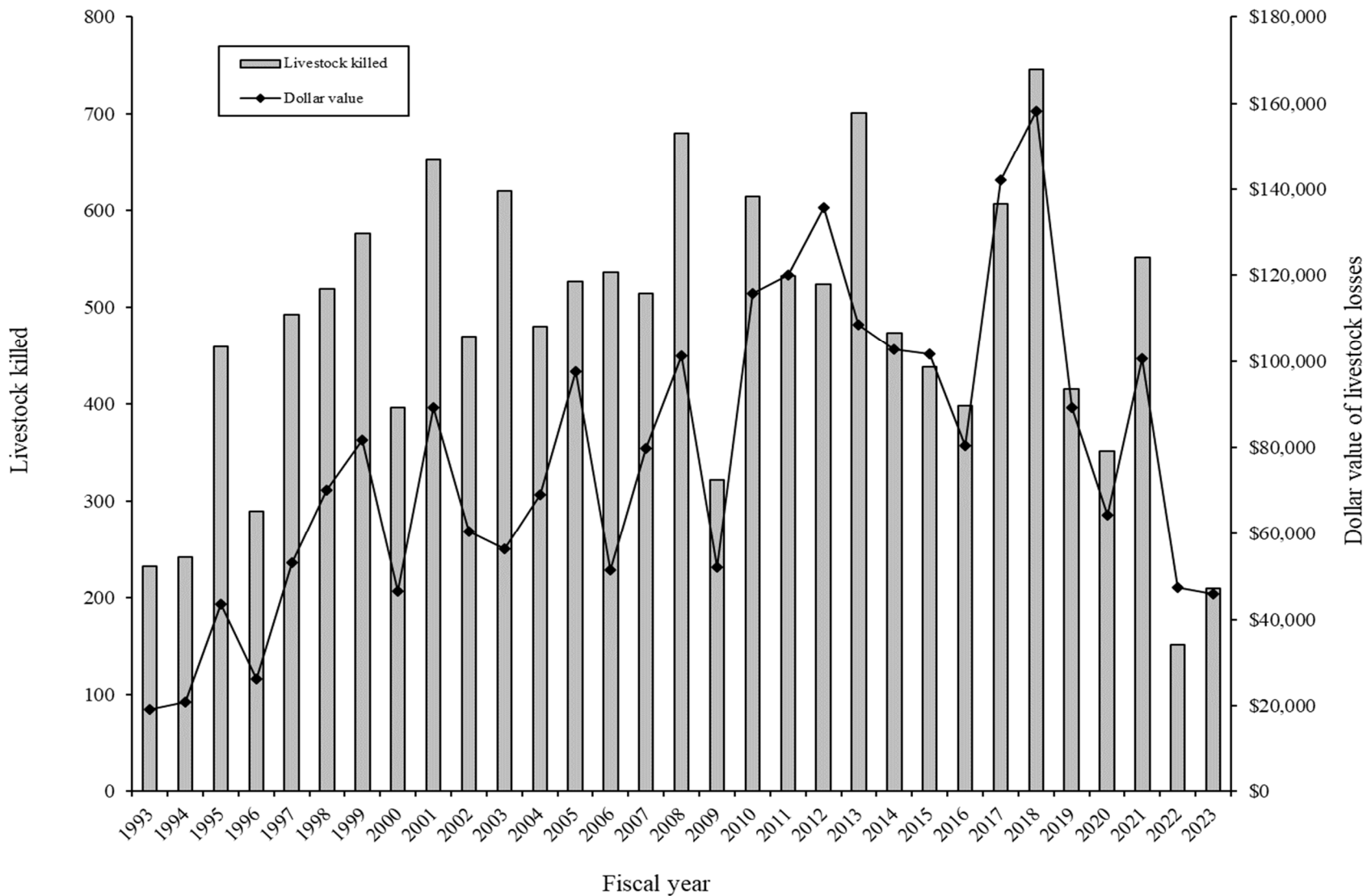
Summer black bear pursuit statistics in restricted units, by unit and season, Utah 2023.

Unit and season	Permits	n	Pursuers afield	Pursuit- days afield	Number of bears treed					Bears treed / pursuit-day	Bears treed / pursuer
					Males	Females	Cubs	Unknown	Total		
Book Cliffs (early)	27	15	13	85	13	18	0	0	31	0.4	2.4
La Sal (early)	14	6	9	54	2	9	0	0	11	0.2	1.2
San Juan (early)	14	8	5	39	2	14	0	2	18	0.5	3.6
Book Cliffs (late)	25	13	12	69	10	12	6	15	43	0.6	3.6
La Sal (late)	12	7	5	19	3	3	3	0	9	0.5	1.8
San Juan (late)	13	4	13	65	16	10	7	0	33	0.5	2.5

Livestock depredation incidents and black bears killed by Wildlife Services/Utah Division of Agriculture (UDAF), Utah 1992–2023.



Livestock losses due to black bear depredation, Utah 1992–2023.



APPENDIX

HISTORICAL BLACK BEAR HARVEST BY HUNT UNIT

Black bear mortality for Beaver unit (22), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	1	0	0	0	0	—	—	—	0	0	0
1991	1	0	0	0	0	—	—	—	0	0	0
1992	1	0	0	0	0	—	—	—	0	0	0
1993	1	0	0	0	0	—	—	—	0	0	0
1994	1	0	0	0	0	—	—	—	0	0	0
1995	1	1	0	1	100	0	—	—	0	0	1
1996	1	0	0	0	0	—	—	—	0	0	0
1997	1	0	0	0	0	—	—	—	0	0	0
1998	1	0	0	0	0	—	—	—	0	0	0
1999	1	0	0	0	0	—	—	—	0	0	0
2000	1	0	0	0	0	—	—	—	0	0	0
2001	1	1	0	1	100	0	—	5.0	0	0	1
2002	1	0	0	0	0	—	—	—	1	2	3
2003	1	0	0	0	0	—	—	—	0	0	0
2004	1	1	0	1	100	0	—	7.0	0	0	1
2005	1	0	1	1	100	100	—	13.0	0	0	1
2006	2	1	0	1	50	0	—	4.0	0	0	1
2007	2	0	0	0	0	—	—	—	1	1	2
2008	6	2	1	3	50	33	—	7.7	1	1	5
2009	10	6	1	7	70	14	86	9.4	1	0	8
2010	15	3	1	4	27	25	50	5.0	0	0	4
2011	15	2	1	3	20	33	67	7.0	1	1	5
2012	17	6	2	8	47	25	50	7.5	0	0	8
2013	17	4	5	9	53	56	22	9.2	1	0	10
2014	17	4	4	8	47	50	14	7.3	0	1	9
2015	22	8	5	13	59	38	31	5.6	0	0	13
2016	22	4	9	13	59	69	8	7.3	0	0	14*
2017	20	9	3	12	60	25	42	5.2	0	0	12
2018	22	9	8	17	77	47	12	5.5	0	0	17
2019	23	8	5	13	57	38	8	4.2	0	0	13
2020	25	12	7	19	76	37	29	5.4	0	0	19
2021	29	8	6	14	48	43	29	4.5	0	1	15
2022	34	11	10	21	62	48	14	5.8	0	0	21
2023	34	5	4	11**	32	36	14	5.9	1	0	12
Mean	10	3	2	5	52	41	26	6.6	0	0	6

*Includes one other mortality of unknown sex.

** Includes two harvest of unknown sex.

Beaver (unit 22) included Fillmore, Pahvant (unit 21b) from 2008-2011.

Black bear mortality for Book Cliffs unit (10ab), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	18	1	2	3	17	67	—	—	3	0	6
1991	18	5	2	7	39	29	—	—	0	0	7
1992	18	5	1	6	33	17	—	—	2	0	8
1993	18	3	4	7	39	57	—	—	0	0	7
1994	18	4	4	8	44	50	—	—	1	0	9
1995	18	11	1	12	67	8	—	—	2	0	14
1996	18	8	2	10	56	20	—	—	1	0	11
1997	18	5	3	8	44	38	—	—	0	0	8
1998	30	3	4	7	23	57	—	—	0	0	7
1999	30	9	1	10	33	10	—	—	1	1	12
2000	29	7	7	14	48	50	—	—	9	3	26
2001	15	5	3	8	53	38	—	6.8	1	0	9
2002	25	7	5	12	48	42	—	7.3	1	0	14*
2003	25	4	5	9	36	56	—	8.0	2	0	12*
2004	25	10	3	13	52	23	—	5.9	2	2	17
2005	30	5	3	8	27	38	—	7.3	0	0	8
2006	15	5	0	5	33	0	—	7.0	0	0	5
2007	15	8	1	9	60	11	—	10.3	0	0	9
2008	19	12	2	14	74	14	—	7.4	0	0	14
2009	23	10	0	10	43	0	90	8.8	0	0	10
2010	23	10	3	13	57	23	54	8.0	2	2	17
2011	28	13	1	14	50	7	62	4.8	0	0	14
2012	36	13	2	15	42	13	53	7.7	0	1	16
2013	36	18	4	22	61	18	62	6.4	0	2	24
2014	35	17	4	21	60	19	37	5.2	4	0	25
2015	56	14	11	25	45	44	23	5.4	1	1	27
2016	56	17	4	21	38	19	48	5.7	1	1	23
2017	56	11	7	18	32	39	47	6.4	2	2	22
2018	56	12	6	18	32	33	50	6.3	1	0	19
2019	67	14	12	26	39	29	29	7.9	1	0	27
2020	63	23	10	33	52	30	24	5.7	1	0	34
2021	82	15	7	22	27	32	43	5.6	0	0	22
2022	91	21	7	28	31	25	43	6.0	0	1	29
2023	91	13	5	18	20	28	6	5.3	1	0	19
Mean	35	10	4	14	40	18	41	6.8	1	0	16

*Includes one other mortality of unknown sex.

Black bear mortality for Book Cliffs, Little Creek roadless unit (10c), Utah 2010–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean Age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2010	7	3	0	3	43	0	100	9.7	0	0	3
2011	9	0	0	0	0	—	—	—	0	0	0
2012	10	3	0	3	30	0	100	10.7	0	0	3
2013	10	4	1	5	50	20	60	7.6	0	0	5
2014	10	3	0	3	30	0	67	5.7	1	0	4
2015	15	4	1	5	33	20	60	8.4	0	0	5
2016	15	3	0	3	20	0	67	7.7	0	0	3
2017	15	5	2	7	47	29	67	7.7	0	0	7
2018	18	2	1	3	17	33	0	4.3	0	0	3
2019	18	5	1	6	33	17	83	8.3	0	0	6
2020	22	3	4	7	32	57	17	6.0	0	0	7
2021	23	3	4	7	30	57	14	12.3	0	0	7
2022	24	4	3	7	29	43	20	4.2	0	0	7
2023	24	4	5	9	38	56	13	5.9	0	0	9
Mean	16	1	1	2	31	32	46	7.6	0	0	5

Black bear mortality for Cache/Ogden unit (2/3), Utah 2019–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean Age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2019	9	2	0	2	22	0	50	3.0	0	0	2
2020	9	1	0	1	11	0	0	3.0	0	0	1
2021	9	1	0	1	11	0	100	17.0	0	0	1
2022	9	2	0	2	22	0	50	5.5	2	1	5
2023	9	0	0	0	0	—	—	—	0	0	0
Mean	9	1	0	1	13	0	50	7.1	0	0	2

Black bear mortality for Cache/Ogden/Morgan-South Rich/East Canyon unit (2/3/4/5), Utah 1990–2018.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	1	0	0	0	0	—	—	—	0	0	0
1991	1	0	0	0	0	—	—	—	0	0	0
1992	1	0	0	0	0	—	—	—	0	0	0
1993	1	0	0	0	0	—	—	—	0	0	0
1994	1	0	0	0	0	—	—	—	0	0	0
1995	1	0	0	0	0	—	—	—	0	0	0
1996	1	0	0	0	0	—	—	—	0	0	0
1997	1	0	0	0	0	—	—	—	1	0	1
1998	1	0	0	0	0	—	—	—	0	0	1*
1999	1	0	0	0	0	—	—	—	1	0	1
2000	1	1	0	1	100	0	—	3.0	0	0	1
2001	1	0	0	0	0	—	—	—	0	0	0
2002	1	0	0	0	0	—	—	—	0	0	0
2003	1	0	0	0	0	—	—	—	0	0	0
2004	1	0	0	0	0	—	—	—	0	0	0
2005	1	0	0	0	0	—	—	—	0	0	0
2006	2	0	0	0	0	—	—	—	0	0	1*
2007	2	0	0	0	0	—	—	—	3	1	4
2008	4	0	0	0	0	—	—	—	1	0	1
2009	4	0	0	0	0	—	—	—	0	1	1
2010	4	1	0	1	25	0	100	6.0	1	1	3
2011	4	1	0	1	25	0	100	6.0	1	0	2
2012	4	2	0	2	50	0	0	2.0	1	0	3
2013	4	1	0	1	25	0	100	5.0	2	0	3
2014	4	0	0	0	0	—	—	—	1	2	3
2015	9	4	0	4	44	0	25	4.0	1	0	5
2016	9	3	1	4	44	25	25	4.3	0	2	6
2017	9	2	0	2	22	0	100	5.5	1	1	4
2018	9	2	1	3	33	33	67	7.7	2	0	5
Mean	3	1	0	1	23	11	53	4.8	1	0	2

Cache (unit 2) was pursuit-only in 2003, and East Canyon (unit 5) was added to Cache/Ogden/Morgan-South Rich (units 2/3/4) in 2004.

Black bear mortality for Central Mtns, Manti-North unit (16b), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	16	1	0	1	6	0	—	—	3	1	5
1991	16	2	0	2	13	0	—	—	2	2	6
1992	16	2	0	2	13	0	—	—	4	7	13
1993	20	0	2	2	10	100	—	—	1	1	4
1994	22	0	0	0	0	—	—	—	1	0	1
1995	22	2	0	2	9	0	—	—	1	3	6
1996	21	1	2	3	14	67	—	—	6	0	9
1997	21	2	2	4	19	50	—	—	5	3	12
1998	20	0	1	1	5	100	—	—	4	0	6*
1999	25	3	3	6	24	50	—	—	2	5	13
2000	25	1	3	4	16	75	—	—	3	0	7
2001	22	1	5	6	27	83	—	3.5	5	0	11
2002	16	1	3	5*	31	60	—	10.0	1	1	8**
2003	16	0	1	1	6	100	—	5.0	2	0	3
2004	16	4	1	5	31	20	—	3.0	6	1	12
2005	16	7	0	7	44	0	—	3.7	1	1	9
2006	16	3	2	5	31	40	—	2.4	1	0	6
2007	15	9	0	9	60	0	—	4.0	4	2	15
2008	17	5	2	7	41	29	—	4.0	0	0	7
2009	17	5	2	7	41	29	43	5.0	4	6	17
2010	19	3	2	5	26	40	20	5.8	9	5	19
2011	23	4	4	8	35	50	25	6.3	6	0	14
2012	28	7	7	14	50	50	8	3.6	5	3	22
2013	29	11	3	14	48	21	29	5.3	2	2	18
2014	29	11	4	15	52	27	20	4.4	6	3	24
2015	32	10	7	17	53	41	38	5.4	4	3	25*
2016	35	10	4	14	40	29	23	4.7	6	4	24
2017	35	14	5	19	54	26	29	5.1	7	9	35
2018	41	15	7	22	54	32	21	5.1	8	5	35
2019	70	13	9	22	31	41	14	4.8	4	4	30
2020	71	17	8	25	35	32	17	4.5	2	3	30
2021	76	15	8	23	30	35	24	4.2	5	7	35
2022	69	12	11	23	33	48	5	4.1	1	1	25
2023	69	14	10	24	35	42	0	3.8	0	1	25
Mean	29	6	3	10	33	36	19	4.7	4	2	16

*Includes one (**two) other mortality of unknown sex.

Black bear mortality for Central Mtns, Manti-South/San Rafael, North unit (16c/12a), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	17	2	0	2	12	0	—	—	0	0	2
1991	17	1	2	3	18	67	—	—	0	0	3
1992	17	4	1	5	29	20	—	—	1	1	7
1993	18	2	2	4	22	50	—	—	0	0	4
1994	20	0	0	0	0	—	—	—	0	0	0
1995	20	1	0	1	5	0	—	—	0	1	2
1996	20	2	2	4	20	50	—	—	1	0	5
1997	20	1	1	2	10	50	—	—	1	1	4
1998	16	3	0	3	19	0	—	—	1	3	7
1999	20	1	0	1	5	0	—	—	1	1	3
2000	20	2	1	3	15	33	—	—	10	2	15
2001	18	2	1	3	17	33	—	5.0	7	2	12
2002	12	1	0	1	8	0	—	3.0	2	2	5
2003	12	3	0	3	25	0	—	7.3	1	1	6*
2004	12	3	1	4	33	25	—	3.0	5	3	12
2005	11	4	0	4	36	0	—	2.8	1	1	6
2006	11	4	2	6	55	33	—	4.0	3	1	10
2007	11	4	3	7	64	43	—	4.3	1	1	11**
2008	12	1	2	3	25	67	—	5.3	1	0	4
2009	12	4	5	9	75	56	22	6.8	4	2	15
2010	13	7	3	10	77	30	30	4.1	1	3	16**
2011	13	7	1	8	62	13	25	3.9	1	1	10
2012	16	9	3	12	75	25	42	6.3	2	2	16
2013	16	6	3	9	56	33	0	5.1	3	1	13
2014	16	10	2	12	75	17	20	3.6	2	4	19*
2015	20	11	5	16	80	31	31	4.9	2	3	21
2016	24	18	1	19	79	5	47	4.7	8	4	31
2017	34	19	6	25	74	24	40	5.0	8	3	36
2018	41	17	11	28	66	39	7	4.2	2	5	35
2019	71	23	6	29	41	21	24	3.8	3	1	33
2020	75	30	13	43	57	30	17	3.8	4	3	50
2021	78	24	15	39	50	38	26	5.5	2	0	41
2022	70	22	15	37	53	41	20	4.9	2	1	40
2023	70	26	9	35	50	26	17	4.4	0	1	36
Mean	26	8	3	11	45	30	24	4.6	2	2	16

*Includes one (**two) other mortality of unknown sex.

Black bear mortality for Central Mtns, Nebo unit (16a), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	3	0	0	0	0	—	—	—	2	0	2
1991	3	0	0	0	0	—	—	—	0	0	0
1992	3	0	0	0	0	—	—	—	0	0	0
1993	6	0	0	0	0	—	—	—	0	0	0
1994	6	0	0	0	0	—	—	—	1	0	1
1995	6	0	0	0	0	—	—	—	3	0	3
1996	6	0	0	0	0	—	—	—	0	0	0
1997	6	0	0	0	0	—	—	—	1	0	1
1998	6	1	0	1	17	0	—	—	0	0	1
1999	6	1	1	2	33	50	—	—	0	0	2
2000	6	2	1	3	50	33	—	—	1	0	4
2001	6	0	1	2*	33	50	—	2.5	0	0	2
2002	6	2	1	3	50	33	—	6.0	1	0	5*
2003	8	4	0	4	50	0	—	3.0	1	0	5
2004	8	2	1	3	38	33	—	3.5	1	0	4
2005	8	5	0	5	63	0	—	1.8	0	1	6
2006	9	1	1	2	22	50	—	6.0	0	0	2
2007	8	4	2	6	75	33	—	4.0	1	2	9
2008	12	5	1	6	50	17	—	3.5	1	2	9
2009	12	3	0	3	25	0	67	7.3	3	2	9*
2010	14	4	2	6	43	33	50	7.5	2	1	9
2011	17	3	7	10	59	70	0	5.6	3	1	14
2012	21	7	3	10	48	30	10	5.3	2	1	14*
2013	21	11	3	14	67	21	21	3.6	2	2	18
2014	21	5	10	15	71	67	8	4.0	0	1	16
2015	21	4	6	10	48	60	13	5.1	6	1	17
2016	21	7	4	11	52	36	29	3.6	3	3	17
2017	26	10	9	19	69	47	26	6.1	0	2	21
2018	29	12	7	19	66	37	22	4.7	0	1	20
2019	48	8	16	24	50	67	4	6.0	3	0	28*
2020	50	14	7	21	42	33	14	4.4	2	1	25*
2021	53	10	7	17	32	41	24	6.1	0	3	20
2022	32	7	12	19	59	63	12	6.2	1	0	20
2023	32	6	4	10	31	40	40	6.4	0	0	10
Mean	16	4	3	7	46	43	19	4.9	1	1	9

*Includes one other mortality of unknown sex.

Black bear mortality for Chalk Creek/East Canyon/Morgan-South Rich unit (4/5/6), Utah 2019–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2019	15	6	0	6	40	0	33	4.7	2	1	10*
2020	18	7	3	10	56	30	10	4.9	3	1	14
2021	19	5	3	8	42	38	38	5.5	1	0	9
2022	20	5	0	5	25	0	25	3.5	1	0	6
2023	23	6	1	7	30	14	33	5.8	3	1	11
Mean	19	6	1	7	37	19	26	4.9	2	1	10

*Includes one other mortality of unknown sex.

Black bear mortality for Chalk Creek/Kamas/North Slope, Summit unit (6/7/8a), Utah 1990–2018.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean Age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	3	0	0	0	0	—	—	—	0	0	0
1991	3	0	0	0	0	—	—	—	1	0	1
1992	3	1	0	1	33	0	—	—	0	0	1
1993	3	0	0	0	0	—	—	—	3	0	3
1994	3	0	0	0	0	—	—	—	0	1	1
1995	3	0	0	0	0	—	—	—	4	0	4
1996	2	0	0	0	0	—	—	—	0	0	0
1997	2	1	0	1	50	0	—	—	3	0	4
1998	2	0	1	1	50	100	—	—	4	1	6
1999	2	0	0	0	0	—	—	—	3	1	4
2000	2	0	1	1	50	100	—	—	3	0	4
2001	2	0	0	0	0	—	—	—	6	7	13
2002	2	0	0	0	0	—	—	—	6	1	7
2003	2	1	0	1	50	0	—	—	2	1	4
2004	5	1	0	1	20	0	—	2.0	1	3	5
2005	5	2	1	3	60	33	—	2.5	2	1	8**
2006	8	2	0	2	25	0	—	5.0	3	0	5
2007	8	3	0	3	38	0	—	2.3	8	3	14
2008	11	1	0	1	9	0	—	3.0	3	1	5
2009	11	1	2	3	27	67	33	6.7	3	1	7
2010	13	4	3	7	54	43	0	6.5	5	2	14
2011	13	3	2	5	38	40	0	3.4	1	2	8
2012	13	1	2	3	23	67	0	6.7	4	0	7
2013	13	2	1	3	23	33	0	6.7	2	2	7
2014	13	3	2	5	38	40	40	5.4	1	4	10
2015	17	4	3	7	41	43	29	5.6	2	0	9
2016	17	7	0	7	41	0	33	4.2	2	4	14*
2017	17	6	1	7	41	14	17	3.8	1	1	9
2018	19	8	3	11	58	27	43	4.5	3	0	14
Mean	7	2	1	3	34	30	21	4.5	3	1	6

*Includes one (**two) other mortality of unknown sex.

Black bear mortality for Fillmore, Pahvant unit (21b), Utah 2012–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2012	2	0	0	0	0	—	—	—	0	0	0
2013	2	0	0	0	0	—	—	—	0	0	0
2014	2	0	0	0	0	—	—	—	0	0	0
2015	2	1	0	1	50	0	0	3.0	0	0	1
2016	2	1	0	1	50	0	100	15.0	0	0	1
2017	2	0	1	1	50	100	0	2.0	0	0	1
2018	2	0	0	0	0	—	—	—	0	0	0
2019	2	0	0	0	0	—	—	—	0	0	0
2020	1	0	0	0	0	—	—	—	0	0	0
2021	2	0	0	0	0	—	—	—	0	0	0
2022	3	1	0	1	33	0	100	—	0	0	1
2023	3	1	0	1	33	0	100	6.0	0	0	1
Mean	2	0	0	0	20	20	60	6.7	0	0	0

Black bear mortality for Kaiparowits unit (26), Utah 2000–2003.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2000	1	1	0	1	100	—	0	4.0	0	0	1
2001	1	0	0	0	0	—	—	—	0	0	0
2002	1	0	0	0	0	—	—	—	3	0	3
2003	1	0	1	1	100	—	100	13.0	0	0	1
Mean	1	0	0	1	50	—	50	8.5	0	0	1

Black bear mortality for Kamas/North Slope, Summit unit (7/8a), Utah 2019–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2019	21	3	5	8	38	63	13	4.4	0	0	8
2020	28	9	4	13	46	31	23	7.0	1	1	15
2021	30	2	9	11	37	82	0	5.0	1	0	12
2022	22	3	2	5	23	40	0	4.2	1	0	6
2023	22	2	2	4	18	50	25	4.8	0	0	4
Mean	24	4	4	8	33	53	12	5.1	1	0	9

Black bear mortality for La Sal unit (13), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	10	1	0	1	10	0	—	—	2	0	3
1991	10	6	1	7	70	14	—	—	1	0	8
1992	10	1	1	2	20	50	—	—	1	0	3
1993	12	4	1	5	42	20	—	—	0	0	5
1994	12	8	0	8	67	0	—	—	0	0	8
1995	12	3	3	6	50	50	—	—	0	0	6
1996	16	6	5	11	69	45	—	—	2	0	13
1997	20	6	8	14	70	57	—	—	6	0	20
1998	20	6	5	11	55	45	—	—	0	0	12*
1999	20	5	4	9	45	44	—	—	0	0	9
2000	19	4	6	10	53	60	—	—	2	0	12
2001	30	13	3	16	53	19	—	8.1	2	0	18
2002	30	17	4	21	70	19	—	6.9	3	0	24
2003	30	13	5	18	60	28	—	9.0	1	0	19
2004	30	12	3	15	50	20	—	7.9	0	1	16
2005	30	8	2	10	33	20	—	7.0	0	3	13
2006	30	6	6	12	40	50	—	8.3	0	0	12
2007	30	17	8	25	83	32	—	4.6	0	0	25
2008	32	14	8	22	69	36	—	6.0	2	1	25
2009	36	15	7	22	61	32	33	5.5	0	0	22
2010	40	13	8	21	53	38	42	7.4	2	0	23
2011	50	20	7	27	54	26	48	5.7	0	1	28
2012	48	19	15	34	71	32	32	6.0	1	0	35
2013	49	23	11	34	69	18	44	6.3	1	0	35
2014	49	27	11	38	78	26	38	5.1	6	2	46
2015	104	27	10	37	36	27	33	5.3	2	2	41
2016	109	36	12	48	44	25	57	6.2	0	1	49
2017	124	43	17	60	48	28	44	6.3	6	2	68
2018	149	36	21	57	38	37	41	6.5	2	0	59
2019	152	36	22	58	38	38	41	6.4	3	4	65
2020	134	34	23	57	43	40	35	6.4	10	6	73
2021	165	29	26	55	33	47	43	6.5	0	0	55
2022	104	28	30	58	56	52	33	6.5	1	0	59
2023	104	23	18	41	39	44	19	5.1	0	0	41
Mean	53	16	9	26	48	36	39	6.5	2	1	28

*Includes one other mortality of unknown sex.

Black bear mortality for Monroe (23), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	1	0	0	0	0	—	—	—	0	0	0
1991	1	0	0	0	0	—	—	—	0	0	0
1992	1	0	0	0	0	—	—	—	0	0	0
1993	1	0	0	0	0	—	—	—	1	0	1
1994	1	0	0	0	0	—	—	—	0	0	0
1995	1	0	0	0	0	—	—	—	0	0	0
1996	1	0	0	0	0	—	—	—	0	0	0
1997	1	0	0	0	0	—	—	—	0	0	0
1998	1	0	0	0	0	—	—	—	0	0	0
1999	1	0	0	0	0	—	—	—	0	0	0
2000	1	0	0	0	0	—	—	—	0	0	0
2001	1	0	0	0	0	—	—	—	0	0	0
2002	1	0	0	0	0	—	—	—	0	0	0
2003	1	0	0	0	0	—	—	—	0	0	0
2004	1	0	0	0	0	—	—	—	0	0	0
2005	1	0	0	0	0	—	—	—	0	0	0
2006	*	—	—	—	—	—	—	—	0	0	0
2007	1	0	0	0	0	—	—	—	0	0	0
2008	2	0	0	0	0	—	—	—	0	0	0
2009	2	0	0	0	0	—	—	—	0	1	1
2010	2	0	0	0	0	—	—	—	0	0	0
2011	2	0	0	0	0	—	—	—	0	0	0
2012	1	1	0	1	100	0	0	2.0	0	0	1
2013	1	1	0	1	100	0	0	3.0	0	0	1
2014	1	1	0	1	100	0	100	6.0	0	0	1
2015	1	1	0	1	100	0	0	3.0	0	0	1
2016	1	1	0	1	100	0	—	—	0	0	1
2017	1	0	0	0	0	—	—	—	0	0	0
2018	1	1	0	1	100	0	—	5.0	0	0	1
2019	1	1	0	1	100	0	0	4.0	0	0	1
2020	1	1	0	1	100	0	0	4.0	0	0	1
2021	1	0	0	0	0	—	—	—	0	0	0
2022	2	1	0	1	50	0	100	9.0	1	0	2
2023	2	1	0	1	50	0	100	5.0	0	0	1
Mean	1	0	0	0	26	0	44	4.6	0	0	0

*Monroe (unit 23) was pursuit-only during 2006.

Black bear mortality for Mt Dutton (24), Utah 2008–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2008	2	1	0	1	50	0	100	7.0	1	0	2
2009	2	0	0	0	0	—	—	—	1	0	1
2010	2	1	0	1	50	0	100	9.0	1	0	2
2011	3	1	0	1	33	0	100	5.0	0	0	1
2012	3	0	0	0	0	—	—	—	0	0	0
2013	3	0	0	0	0	—	—	—	0	0	0
2014	3	2	0	2	67	0	50	4.5	1	0	3
2015	5	1	0	1	20	0	0	3.0	0	0	1
2016	5	0	2	2	40	100	0	4.0	0	0	2
2017	6	3	1	4	67	25	25	4.8	1	1	6
2018	6	3	0	3	50	0	33	3.3	0	0	3
2019	8	1	2	3	38	67	0	3.5	0	0	4*
2020	8	3	1	4	50	25	50	6.0	0	0	4
2021	8	1	2	3	38	67	0	4.7	0	0	3
2022	10	3	0	3	30	0	50	4.5	1	0	4
2023	10	2	2	4	40	50	33	9.3	0	0	4
Mean	5	1	0	1	38	31	32	45.3	0	0	3

*Includes one other mortality of unknown sex.

Black bear mortality for Nine Mile unit (11), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	44	14	0	14	32	0	—	—	6	0	20
1991	22	3	2	5	23	40	—	—	1	1	7
1992	22	6	0	6	27	0	—	—	4	1	11
1993	27	0	4	4	15	100	—	—	0	0	4
1994	27	3	7	10	37	70	—	—	4	2	16
1995	24	3	4	7	29	57	—	—	3	3	13
1996	24	6	6	12	50	50	—	—	5	2	19
1997	20	2	2	4	20	50	—	—	1	0	5
1998	20	4	1	5	25	20	—	—	0	0	5
1999	20	2	1	3	15	33	—	—	0	0	3
2000	20	4	4	8	40	50	—	—	9	0	17
2001	15	3	0	3	20	0	—	8.3	1	0	4
2002	20	7	0	7	35	0	—	5.0	2	3	12
2003	20	7	2	9	45	22	—	12.0	0	0	9
2004	20	7	2	9	45	22	—	7.6	6	4	19
2005	20	2	0	2	10	0	—	6.5	0	0	2
2006	22	5	1	6	27	17	—	9.0	0	0	7*
2007	26	5	6	11	42	55	—	6.1	2	3	16
2008	29	6	3	10*	34	30	—	7.6	1	0	11
2009	34	11	6	17	50	35	50	6.9	1	3	21
2010	40	8	4	12	30	33	25	5.0	0	0	12
2011	44	10	2	12	27	17	70	5.9	0	0	12
2012	34	9	4	13	38	31	23	5.7	1	0	14
2013	34	11	3	14	41	21	50	6.6	0	1	15
2014	34	18	8	26	76	23	38	5.2	9	2	38*
2015	49	20	11	31	63	35	23	5.7	1	0	32
2016	58	14	7	21	36	33	14	4.3	1	0	22
2017	62	18	7	25	40	28	43	6.7	5	0	30
2018	73	14	14	28	38	50	19	6.7	1	0	29
2019	74	20	7	27	36	26	27	5.5	4	0	31
2020	79	20	14	34	43	41	19	5.9	8	1	43
2021	79	20	12	32	40	38	33	6.5	1	0	33
2022	90	13	12	25	28	48	21	6.0	1	2	28
2023	90	13	11	24	27	46	14	4.9	2	1	27
Mean	39	9	5	14	36	35	29	6.5	2	1	17

*Includes one other mortality of unknown sex.

Black bear mortality for North Slope, Daggett/Three Corners unit (8bc), Utah 1998–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1998	4	0	0	0	0	—	—	—	0	0	0
1999	4	1	0	1	25	0	—	1.0	0	0	1
2000	4	0	0	0	0	—	—	—	2	0	2
2001	4	0	0	0	0	—	—	—	1	0	1
2002	4	0	0	0	0	—	—	—	2	2	4
2003	4	1	0	1	25	0	—	7.0	0	0	1
2004	4	0	0	0	0	—	—	—	1	0	1
2005	4	1	1	2	50	50	—	6.0	0	0	2
2006	5	1	0	1	20	0	—	4.0	0	0	1
2007	5	1	1	2	40	50	—	2.0	0	0	2
2008	7	1	1	2	29	50	—	5.0	0	0	2
2009	7	3	0	3	43	0	0	3.7	0	0	3
2010	9	1	1	2	22	50	50	10.5	0	0	2
2011	9	2	0	2	22	0	50	5.0	0	1	3
2012	11	0	4	4	36	100	0	5.8	0	1	5
2013	12	0	1	1	8	100	0	14.0	0	0	1
2014	12	2	1	3	25	33	0	2.7	1	3	7
2015	12	3	3	6	50	50	33	6.7	0	0	6
2016	9	4	1	5	56	20	40	5.6	0	0	5
2017	9	3	1	4	44	25	25	4.5	0	0	4
2018	9	2	1	3	33	33	50	4.7	0	0	3
2019	11	4	0	4	36	0	0	3.5	1	0	5
2020	12	4	3	7	58	43	0	3.2	3	0	10
2021	12	1	7	8	67	88	14	12.3	0	0	8
2022	8	2	2	4	50	50	25	7.5	2	0	6
2023	8	3	2	5	63	40	0	4.4	1	0	6
Mean	8	1	1	2	35	43	17	5.7	1	0	4

Black bear mortality for Panguitch Lake/Zion unit (28/29), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	3	0	0	0	0	—	—	—	1	0	1
1991	3	1	0	1	33	0	—	—	2	0	3
1992	3	0	0	0	0	—	—	—	2	0	2
1993	3	0	0	0	0	—	—	—	0	0	0
1994	4	1	0	1	25	0	—	—	1	0	2
1995	8	1	0	1	13	0	—	—	1	1	3
1996	8	0	0	0	0	—	—	—	4	0	4
1997	8	0	0	0	0	—	—	—	0	0	0
1998	8	0	0	0	0	—	—	—	1	0	1
1999	8	0	1	1	13	100	—	5.7	2	0	3
2000	6	0	0	0	0	—	—	—	0	0	0
2001	6	0	1	1	17	100	—	19.0	0	1	2
2002	6	0	1	1	17	100	—	11.0	5	0	6
2003	11	1	1	2	18	50	—	5.3	2	0	4
2004	12	2	0	2	17	0	—	8.0	3	0	5
2005	12	0	0	0	0	—	—	—	2	1	3
2006	11	0	1	1	9	100	—	4.0	0	0	1
2007	10	1	1	2	20	50	—	3.5	0	0	2
2008	11	4	0	5*	45	0	—	5.8	0	0	7**
2009	11	3	0	3	27	0	100	5.5	0	0	4*
2010	11	5	1	6	55	17	67	6.7	0	0	6
2011	13	5	1	6	46	17	25	5.8	0	0	6
2012	16	3	0	3	19	0	50	4.0	0	0	3
2013	16	3	2	5	31	40	20	5.8	0	0	5
2014	16	3	0	3	19	0	0	2.7	1	0	4
2015	17	6	1	7	41	14	29	5.0	0	0	7
2016	16	3	0	3	19	0	—	—	1	0	4
2017	17	6	0	6	35	0	67	6.2	1	2	9
2018	19	5	1	6	32	17	60	4.6	1	0	7
2019	23	7	1	8	35	13	50	5.3	2	0	10
2020	23	6	0	6	26	0	17	3.5	0	1	7
2021	24	9	2	11	46	18	18	3.6	0	0	11
2022	29	10	2	12	41	17	25	4.0	2	0	14
2023	29	8	1	9	31	11	13	4.3	0	1	10
Mean	12	3	1	3	27	16	34	5.9	1	0	5

*Includes one (**two) other mortality of unknown sex.

Black bear mortality for Paunsaugunt unit (27), Utah 2003–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2003	1	0	0	0	0	—	—	—	0	0	0
2004	1	0	0	0	0	—	—	—	0	1	1
2005	2	1	0	1	50	0	—	3.0	0	0	1
2006	2	0	1	1	50	100	—	—	0	0	1
2007	2	0	0	0	0	—	—	—	0	0	0
2008	2	0	0	0	0	—	—	—	0	0	0
2009	2	1	0	1	50	0	100	8.0	1	0	2
2010	3	1	0	1	33	0	100	5.0	0	1	2
2011	3	3	0	3	100	0	100	9.7	0	0	3
2012	4	2	1	3	75	33	33	3.7	0	0	3
2013	4	0	0	0	0	—	—	—	0	0	0
2014	4	1	1	2	50	50	0	7.5	2	0	4
2015	7	2	1	3	43	33	33	5.7	0	0	3
2016	7	0	3	3	43	100	0	7.0	0	0	3
2017	6	1	0	1	17	0	0	4.0	0	0	1
2018	8	2	0	2	25	0	100	5.0	0	0	2
2019	9	1	2	3	33	67	33	9.7	0	1	4
2020	6	3	0	3	50	0	67	5.3	0	0	3
2021	9	5	4	9	100	44	38	5.5	0	0	9
2022	11	2	1	3	27	33	33	3.0	0	0	3
2023	11	2	0	2	18	0	50	5.0	0	0	2
Mean	5	1	0	1	39	34	43	5.8	0	0	2

Black bear mortality for Plateau, Boulder unit (25c), Utah 1990–2003.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	3	0	0	0	0	—	—	—	1	0	1
1991	3	0	1	1	33	100	—	—	0	0	1
1992	3	1	0	1	33	0	—	—	0	0	1
1993	4	2	0	2	50	0	—	—	0	2	4
1994	5	0	1	1	20	100	—	—	2	2	5
1995	6	3	2	5	83	40	—	—	1	0	6
1996	8	2	2	4	50	50	—	—	3	0	7
1997	8	2	1	3	38	33	—	—	0	0	3
1998	8	1	1	2	25	50	—	—	2	0	4
1999	8	2	2	4	50	50	—	—	1	0	5
2000	8	3	1	4	50	25	—	—	0	0	4
2001	8	1	2	3	38	67	—	7.6	1	0	5*
2002	8	1	2	3	38	67	—	3.0	1	0	4
2003	8	3	0	3	38	0	—	5.0	1	3	7
Mean	6	2	1	3	42	41	—	5.2	1	1	4

*Includes one other mortality of unknown sex.

Black bear mortality for Plateau, Boulder/Kaiparowits unit (25c/26), Utah 2004–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2004	17	6	2	8	47	25	—	8.3	2	0	12**
2005	17	2	2	4	24	50	—	4.8	1	1	7*
2006	16	5	1	6	38	17	—	7.0	0	4	11*
2007	22	10	1	11	50	9	—	7.1	6	0	17
2008	25	6	4	10	40	40	—	7.4	0	0	10
2009	25	11	2	13	52	15	54	5.8	4	0	17
2010	29	7	4	11	38	36	55	6.4	0	0	11
2011	33	7	2	9	27	22	63	8.5	0	1	10
2012	40	14	2	16	40	13	31	4.8	0	0	16
2013	42	8	6	14	33	43	43	5.9	0	0	14
2014	42	11	7	18	43	39	22	6.5	0	0	18
2015	41	10	4	14	34	29	42	7.4	1	1	16
2016	48	9	6	15	31	40	21	4.9	0	1	16
2017	48	11	13	24	50	54	26	6.1	0	0	24
2018	48	14	11	25	52	44	20	6.6	0	0	25
2019	70	15	5	20	29	25	16	4.1	0	0	20
2020	100	13	9	22	22	41	37	5.5	0	0	22
2021	117	17	9	26	22	35	24	4.7	0	0	26
2022	80	7	11	18	23	61	18	6.3	0	0	18
2023	80	9	6	15	19	40	8	3.7	1	0	16
Mean	47	6	3	9	32	36	29	6.1	1	0	16

*Includes one other mortality of unknown sex.

Black bear mortality for Plateau, Fishlake/Thousand Lakes unit (25ab), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	3	0	0	0	0	—	—	—	0	0	0
1991	3	0	0	0	0	—	—	—	0	0	0
1992	3	0	0	0	0	—	—	—	0	0	0
1993	3	1	0	1	33	0	—	—	1	0	2
1994	3	0	0	0	0	—	—	—	2	1	3
1995	4	2	1	3	75	33	—	—	1	1	5
1996	4	1	2	3	75	67	—	—	0	0	3
1997	4	3	0	3	75	0	—	—	0	0	3
1998	4	1	0	1	25	0	—	—	0	0	1
1999	4	1	0	1	25	0	—	—	0	0	1
2000	4	0	0	0	0	—	—	—	0	0	0
2001	4	0	0	0	0	—	—	—	1	1	2
2002	4	0	1	1	25	100	—	2.0	0	0	1
2003	4	3	0	3	75	0	—	5.3	1	0	4
2004	6	0	2	2	33	100	—	11.5	0	0	2
2005	6	2	0	2	33	0	—	7.0	1	0	3
2006	6	0	0	0	0	—	—	—	0	0	0
2007	6	1	0	1	17	0	—	6.0	0	0	1
2008	6	1	0	1	17	0	—	3.0	0	0	1
2009	6	2	0	2	33	0	50	5.5	0	0	2
2010	6	1	0	1	17	0	0	4.0	1	0	2
2011	6	3	1	4	67	25	0	3.8	0	0	4
2012	7	2	1	3	43	33	0	3.7	0	0	3
2013	7	3	0	3	43	0	0	2.3	0	0	3
2014	7	3	0	3	43	0	50	5.5	0	0	3
2015	8	2	1	3	38	33	0	3.0	0	0	3
2016	9	5	3	8	89	38	14	3.3	1	0	9
2017	9	5	1	6	67	17	50	3.7	0	0	6
2018	10	4	1	5	50	20	60	5.6	1	0	6
2019	13	4	1	5	38	20	25	3.5	1	0	7*
2020	14	10	3	13	93	23	38	6.2	0	1	14
2021	14	6	2	8	57	25	75	6.0	0	1	9
2022	20	9	4	13	65	31	25	3.5	0	0	13
2023	20	4	4	8	40	50	0	4.3	0	0	8
Mean	7	2	1	3	46	26	30	4.7	0	0	4

*Includes one other mortality of unknown sex.

Black bear mortality for San Juan unit (14), Utah 1990–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	16	4	1	5	31	20	—	—	0	0	5
1991	16	3	0	3	19	0	—	—	0	0	3
1992	16	3	0	3	19	0	—	—	1	0	4
1993	16	0	4	4	25	100	—	—	0	0	4
1994	16	4	0	4	25	0	—	—	0	0	4
1995	16	5	4	9	56	44	—	—	0	1	10
1996	20	9	6	15	75	40	—	—	2	1	18
1997	20	4	3	7	35	43	—	—	2	0	9
1998	20	6	3	10*	50	30	—	—	0	0	10
1999	20	4	1	5	25	20	—	—	0	0	5
2000	19	9	2	11	58	18	—	—	2	0	13
2001	30	12	7	20*	67	35	—	7.3	4	3	27
2002	30	10	5	15	50	33	—	8.1	3	0	18
2003	30	10	3	13	43	23	—	7.4	0	0	13
2004	30	18	1	19	63	5	—	8.4	0	0	19
2005	30	8	6	14	47	43	—	9.1	1	2	17
2006	29	10	7	17	59	41	—	9.3	2	1	20
2007	34	17	3	20	59	15	—	7.7	0	0	20
2008	34	18	5	23	68	22	—	6.1	1	0	24
2009	35	8	10	18	51	56	39	8.2	1	0	19
2010	40	15	9	24	60	38	45	6.2	0	1	25
2011	50	27	5	32	64	16	61	6.1	3	2	37
2012	48	27	10	37	77	19	54	6.8	1	1	39
2013	49	25	14	39	80	18	46	6.7	4	2	45
2014	49	34	7	41	84	15	56	6.2	0	0	41
2015	104	29	2	31	30	6	63	5.8	2	0	33
2016	109	33	7	40	37	18	68	7.7	1	0	41
2017	124	49	8	57	46	14	66	7.1	9	2	68
2018	149	35	24	59	39	41	39	7.4	1	2	62
2019	152	27	15	42	28	36	45	6.9	1	0	43
2020	137	36	21	57	42	37	29	5.5	3	1	61
2021	165	30	14	45*	27	31	38	5.8	1	1	47
2022	104	24	20	44	42	45	16	5.7	2	2	48
2023	104	19	23	42	40	55	15	5.9	1	1	44
Mean	54	17	7	24	45	30	45	7.0	1	1	26

*Includes one harvest of unknown sex.

Black bear mortality for South Slope unit (9, all subunits), Utah 1990–2001.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
1990	16	2	1	3	19	33	—	—	1	2	6
1991	16	4	0	4	25	0	—	—	1	1	6
1992	16	2	1	3	19	33	—	—	4	2	9
1993	16	4	1	5	31	20	—	—	1	0	6
1994	16	3	1	4	25	25	—	—	1	0	5
1995	16	3	2	5	31	40	—	—	6	1	12
1996	17	3	0	3	18	0	—	—	4	2	9
1997	18	1	1	2	11	50	—	—	3	0	5
1998	14	1	2	3	21	67	—	—	3	2	11***
1999	14	5	1	6	43	17	—	—	2	1	9
2000	14	4	1	5	36	20	—	—	3	0	8
2001	14	2	2	4	29	50	—	2.6	6	5	16*
Mean	16	3	1	4	25	28	—	2.6	3	1	9

*Includes one (**three) other mortality of unknown sex.

Black bear mortality for South Slope, Bonanza/Diamond Mtn/Vernal unit (9bcd), Utah 2002–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2002	10	0	2	3*	30	67	—	2.7	2	1	6
2003	9	2	2	4	44	50	—	7.3	0	1	6*
2004	10	5	2	7	70	29	—	4.6	0	1	8
2005	12	6	1	7	58	14	—	7.3	0	0	7
2006	10	4	2	6	60	33	—	7.8	0	0	6
2007	12	6	2	8	67	25	—	7.8	1	2	11
2008	16	9	1	10	63	10	—	3.7	1	0	11
2009	18	7	2	9	50	22	56	5.3	0	0	9
2010	23	6	5	11	48	45	27	4.3	0	2	13
2011	23	6	1	7	30	14	29	3.9	4	3	14
2012	30	6	7	13	43	54	38	6.2	4	2	19
2013	31	7	8	15	48	53	13	8.0	1	0	16
2014	31	9	7	16	52	44	31	7.0	4	4	24
2015	31	7	8	15	48	53	36	6.7	2	1	18
2016	31	8	5	13	42	38	31	5.6	0	0	13
2017	31	12	5	17	55	29	19	5.3	1	0	18
2018	31	11	7	18	58	39	24	5.1	1	0	19
2019	36	11	8	19	53	42	22	5.2	3	0	22
2020	35	19	5	24	69	21	30	4.2	5	1	30
2021	38	12	8	20	53	40	35	5.0	1	1	22
2022	41	9	10	19	46	53	17	6.3	6	1	26
2023	41	4	14	18	44	78	11	7.2	3	1	22
Mean	25	5	3	8	51	40	27	5.7	2	1	15

*Includes one harvest/mortality of unknown sex.

Black bear mortality for South Slope, Yellowstone unit (9a), Utah 2002–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2002	6	1	1	3*	50	33	—	6.7	0	0	3
2003	7	0	2	2	29	100	—	11.0	0	0	2
2004	6	1	2	3	50	67	—	12.3	1	2	6
2005	12	4	1	5	42	20	—	4.0	0	1	6
2006	12	3	2	5	42	40	—	3.0	1	1	7
2007	14	2	2	4	29	50	—	2.0	3	1	9*
2008	18	2	4	6	33	67	—	9.0	0	1	7
2009	18	1	0	1	6	0	0	2.0	0	0	1
2010	18	2	1	3	17	33	33	5.7	3	1	7
2011	18	2	1	3	17	33	0	2.7	1	0	4
2012	18	5	1	6	33	17	50	6.7	3	1	10
2013	18	4	2	6	33	33	0	5.8	0	1	7
2014	18	6	2	8	44	25	13	3.4	4	0	12
2015	18	5	4	9	50	44	38	6.5	0	0	9
2016	18	8	4	12	67	33	8	4.5	0	0	12
2017	18	9	3	12	67	25	33	5.9	0	0	12
2018	18	3	1	4	22	25	50	7.0	2	0	6
2019	19	3	1	4	21	25	50	8.3	1	0	5
2020	19	5	6	11	58	55	36	7.2	3	0	14
2021	21	7	3	10	48	30	44	5.3	0	1	12
2022	22	6	2	8	36	25	38	5.5	1	0	9
2023	22	5	4	9	41	44	0	5.7	0	0	9
Mean	16	4	2	6	38	37	27	5.9	1	0	8

*Includes one harvest/mortality of unknown sex.

Black bear mortality for Wasatch Mountains (unit 17), Utah 1990–2000.

Year	Permits issued	Harvest			% permits	% female	Depredation/other			Total mortality
		Male	Female	Total			Male	Female	Unknown	
1990	26	7	0	7	27	0	6	4	0	17
1991	11	1	0	1	9	0	2	0	0	3
1992	11	1	1	2	18	50	0	0	0	2
1993	14	1	2	3	21	67	1	1	0	5
1994	14	2	1	3	21	33	0	2	0	5
1995	14	2	0	2	14	0	3	2	0	7
1996	14	2	3	5	36	60	9	0	0	14
1997	10	1	1	2	20	50	2	0	0	4
1998	26	0	1	1	4	100	9	1	4	15
1999	35	5	2	7	20	29	5	2	6	20
2000	34	4	2	6	18	33	17	0	0	23
Mean	19	2	1	4	19	33	5	1	1	10

Black bear mortality for Wasatch Mtns, Avintaquin/Current Creek unit (17bc), Utah 2001–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other		Total mortality
		Male	Female	Total					Male	Female	
2001	14	0	0	0	0	—	—	—	0	0	0
2002	14	2	0	2	14	0	—	3.0	3	6	13**
2003	14	2	0	2	14	0	—	—	3	2	7
2004	14	6	2	8	57	25	—	2.6	3	1	12
2005	14	1	0	1	7	0	—	2.0	1	1	3
2006	16	2	1	3	19	33	—	3.7	6	5	17***
2007	16	0	3	3	19	100	—	2.3	8	2	13
2008	20	4	1	5	25	20	—	7.8	1	0	8**
2009	24	6	5	11	46	45	9	4.9	4	2	17
2010	24	5	1	6	25	17	50	4.3	2	1	9
2011	24	3	1	4	17	25	25	5.3	3	1	8
2012	19	6	6	12	63	50	8	5.3	3	1	17*
2013	19	7	3	10	53	30	25	3.6	1	1	12
2014	20	7	3	10	50	30	30	4.9	1	1	12
2015	24	7	7	14	58	50	15	3.8	1	1	16
2016	29	8	6	14	48	43	14	3.7	1	1	16
2017	29	5	6	11	38	55	20	4.3	0	0	11
2018	29	7	4	11	38	36	27	6.5	1	0	12
2019	30	7	4	11	37	36	18	4.9	3	0	14
2020	32	12	3	15	47	20	27	4.9	3	2	20
2021	33	13	10	23	70	43	25	5.8	1	1	25
2022	40	14	6	20	50	30	11	4.3	0	3	23
2023	40	9	2	12*	30	17	10	2.9	1	1	14
Mean	23	4	2	6	39	36	20	4.3	2	1	13

*Includes one (**two, ***three) other mortality of unknown sex.

Black bear mortality for Wasatch Mtns, West unit (17a), Utah 2001–2023.

Year	Permits issued	Harvest			% permits	% female	% adult male	Mean age	Depredation/other			Total mortality
		Male	Female	Total					Male	Female	Unknown	
2001	20	1	0	1	5	0	—	12.0	3	2	0	5
2002	20	4	2	6	30	33	—	8.2	7	9	2	18
2003	20	5	5	10	50	50	—	—	6	0	0	6
2004	20	5	0	5	25	0	—	5.0	3	4	2	9
2005	19	3	1	4	21	25	—	5.3	6	4	1	11
2006	19	6	1	7	37	14	—	3.9	4	4	1	9
2007	22	3	3	6	27	50	—	8.2	10	6	5	21
2008	27	4	6	10	37	60	—	7.4	3	2	3	8
2009	28	7	4	11	39	36	20	4.3	12	4	0	16
2010	34	10	7	17	50	41	12	4.1	7	0	0	7
2011	42	10	5	15	36	33	0	4.5	6	6	0	12
2012	52	9	14	23	44	61	10	4.2	6	6	0	12
2013	55	16	7	23	42	30	17	4.0	11	2	0	13
2014	55	21	12	33	60	36	21	4.7	13	9	0	22
2015	75	31	28	59	79	47	12	4.2	4	3	1	8
2016	60	20	16	36	60	44	20	5.1	7	3	0	46
2017	60	27	15	42	70	36	12	4.4	6	4	0	52
2018	70	14	8	22	31	36	14	4.0	0	1	0	23
2019	73	17	11	28	38	39	28	4.4	5	5	0	38
2020	69	26	15	41	59	37	20	4.7	10	3	0	54
2021	79	25	14	39	49	36	19	4.0	2	3	1	45
2022	100	21	26	47	47	55	9	5.0	0	4	0	51
2023	100	18	15	33	33	45	23	5.4	1	1	0	35
Mean	48	9	6	15	47	42	16	5.3	6	4	1	33