

STATE OF WASHINGTON

1998 Game Harvest Report



Washington Department of
FISH AND WILDLIFE
Wildlife Management Program

STATE OF WASHINGTON

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GAME HARVEST REPORT

1998

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Jim Rieck, editor in chief

DATA COLLECTION AND ANALYSIS

Game harvest estimates are derived using a combination of information from mailed questionnaires, successful hunter report cards, pelt tagging records, a trapper report of catch, and field check reports. The technique used to estimate harvest varies depending on the species.

Hunter Questionnaire

A mailed questionnaire is sent to a minimum of twelve percent of the people that purchase hunting licenses in order to achieve responses from ten percent of the hunters. Their answers on the questionnaire form the basis upon which harvest estimates are made for deer, elk, black bear, upland birds, waterfowl, and hunted fur-bearers. Hunters are asked if they actually hunted, how many days they spent hunting, and where it was done. They are also asked to record if they bagged anything. If they did, they are asked what it was, where it was taken, and how many they got. The 1998 deer and elk harvest tables reflect only the "General" hunting season harvest. The special deer and elk permit hunting seasons are tabulated separately and are presented before the general season harvest.

A "three wave" mailer is used to make sure that a true cross section is represented in the sample of hunters. It is fairly common for hunters not to respond if they were unsuccessful or did not get a chance to hunt during the previous season. Consequently, those who respond to the "wave one" questionnaire are proportionately the more successful hunters. Subsequent mailings to those not returning the first questionnaire encourage those hunters, who represent a more true sample, to respond.

The **1998** Hunter Questionnaire was sent to **30,512** hunters (**12.9%** of the **237,085** people who bought hunting licenses in **1998**). Hunters completed **15,390** questionnaires and returned them on time for the analysis. The respondents were **6.5%** of the **1998** hunting license buyers. The return rate was **50%**.

Harvest estimates are made at different resolutions, depending on the sample size of the species or user group. For example, modern firearm deer estimates are made at the PMU (population management unit) level, which is a group of game management units. Muzzleloader deer estimates are made only at the regional level. This is because there are significantly fewer muzzleloader hunters than there are modern firearm hunters. More of the hunters in the smaller user groups are sent questionnaires to compensate for the size of their group. For deer and elk the harvest estimate is then divided proportionately to the smaller geographic areas using returned harvest report cards. The harvest tables can be misleading if the game management units are closely compared. It is most useful to make comparisons at the level the estimate is made, particularly when looking at figures generated in previous years. The following table shows sampling rates and at what resolution the actual harvest estimate is made.

Deer, Elk, and Black Bear Final Sampling

<u>User Group</u>	<u>Species</u>	<u>Questionnaires Returned</u>	<u>Percent User Group By Species</u>	<u>Estimate Made</u>
Modern Firearm	Deer	7,367	5.7 %	PMU
Archery	Deer	1,737	10.1 %	Region
Muzzleloader	Deer	819	12.0 %	Region
Modern Firearm	Elk	3,649	7.2 %	PMU
Archery	Elk	1,510	11.9 %	Region
Muzzleloader	Elk	1,011	9.6 %	Region
All Types	Black Bear	1,266	5.3 %	State
All Types	Small Game	5,757		County

The estimates of days per kill and hunter success can be compared to previous years estimates as a relative index to population density. However, it may not be appropriate to compare among different small geographical units because of differences in access, habitat, special permit numbers, or special hunting restrictions. All affect the vulnerability of an animal to be taken during the hunting season.

Black Bear Harvest

A “mandatory” report card was introduced for the **1998** black bear and cougar season. The report card was attached to each bear or cougar transport tag and was to be completed and returned whether or not the hunter was successful in bagging his/her animal. The return rate of the black bear mandatory report cards was **15.9%** (**3,786** report cards returned of **23,775** bear tags sold). Because of the low return rate of the report cards, bear was included in the 1998 hunter questionnaire in order to sample those who did not return report cards. The harvest reported on the report cards was added to the harvest estimate generated from the hunter questionnaire to form the 1998 black bear harvest estimate.

Special Permit Hunting Questionnaires

In addition to the deer and elk general hunting seasons, there are special permit hunts which make it possible to hunt antlerless deer or elk, special areas, or during special times. Mountain goat, bighorn sheep, and moose hunting are available only by special permit. All permit hunters are sent a special permit hunting activity questionnaire. All hunters, both successful and unsuccessful, are required to complete and return this report at the close of the season. The **1998** permit hunter questionnaire return rates for deer, elk, mountain goat, bighorn sheep, and moose were **78%, 80%, 93%, 100%, and 100%** respectively. Harvest for these species was tabulated and based solely upon the reports returned by the hunters. Harvest was not estimated to include hunters who did not return a completed report.

Trapper Report of Catch

All trappers of fur-bearing animals are required to complete and return a trapper report of catch. Of the **608** trappers licensed in **1998**, **80%** (**488**) returned a report. Harvest is calculated directly from the reports and not expanded to include trappers that did not return a completed report.

CITES Pelt Sealing Reports

Bobcat and river otter pelts must be sealed within ten days of the close of the trapping or hunting season. This is done to gather harvest information and to comply with the requirements of the Convention on International Trade in Endangered Species (CITES). The harvest figures are drawn directly from the pelt

sealing records.

Cougar Pelt Sealing Records

Each successful cougar hunter is required to have his/her cougar inspected by an agent of the Department of Fish and Wildlife, have it's pelt sealed, submit a cougar tooth sample, and return a report card. Other cougar are taken due to livestock depredation or other dangerous situations and reported internally. All of these records are used to compile cougar harvest for the 1998 season.

WASHINGTON
STATEWIDE DEER HARVEST STATISTICS
FOR THE 1998 HUNTING SEASON

1998 DEER SEASON GRAND TOTALS	MODERN FIREARM	MODERN OR MUZZLELOADER	ARCHERY	MUZZLELOADER	UNKNOWN WEAPON	STATE TOTAL
GENERAL DEER SEASON KILL	23,592	0	2,674	1,141	0	27,407
SPECIAL PERMIT SEASON KILL	0	2,457	1	38	350	2,846
ALL SEASONS GRAND TOTALS	23,592	2,457	2,675	1,179	350	30,253

STATEWIDE GENERAL SEASON DEER HARVEST STATISTICS
FOR THE 1998 HUNTING SEASON

GENERAL DEER HUNTING SEASONS	DEER TAGS PURCHASED	DEER * HUNTERS	HUNTER DAYS	ANTLERED	ANTLERLESS	TOTAL HARVEST	HUNTER SUCCESS
MODERN FIREARM	129,987	126,267	724,825	21,844	1,748	23,592	18.7%
ARCHERY	17,136	16,554	163,441	1,207	1,467	2,674	16.2%
MUZZLELOADER	6,804	6,480	36,157	621	520	1,141	17.6%
GENERAL SEASON TOTALS	153,927	149,301	924,423	23,672	3,735	27,407	18.4%

* CALCULATED BY MULTIPLYING THE NUMBER OF DEER TAGS SOLD BY THE PERCENT OF TAG BUYERS THAT ACTUALLY HUNTED.

1998 GENERAL DEER HUNTING SEASON

BY REGION

REGION	MODERN FIREARM		ARCHERY		MUZZLELOADER		TOTAL HARVEST	HUNTER SUCCESS	TOTAL HUNTERS	HUNTER DAYS	DAYS/ KILL
	ANTLERED	ANTLERLESS	ANTLERED	ANTLERLESS	ANTLERED	ANTLERLESS					
1	8,492	1,426	318	213	140	153	10,742	15.6%	68,843	277,919	25.9
2	2,422	0	62	58	6	34	2,582	12.2%	21,229	69,086	26.8
3	782	0	55	0	19	0	856	4.0%	21,213	75,193	87.8
4	1,485	113	217	284	71	132	2,302	10.2%	22,675	93,725	40.7
5	5,277	164	313	548	317	134	6,753	10.7%	62,908	253,517	37.5
6	3,386	45	242	364	68	67	4,172	11.2%	37,233	154,983	37.1
TOTALS	21,844	1,748	1,207	1,467	621	520	27,407	18.4%	149,301	924,423	33.7

STATEWIDE SPECIAL PERMIT DEER SEASON HARVEST STATISTICS
FOR THE 1998 HUNTING SEASON

SPECIAL PERMIT DEER HUNTING SEASONS	PERMITS ISSUED	PERMIT * HUNTERS	ANTLERED	ANTLERLESS	TOTAL HARVEST	HUNTER SUCCESS
DEER RAFFLE PERMIT	1	1	1	0	1	100.0%
MODERN OR MUZZLELOADER	7,202	4,818	631	1,826	2,457	51.0%
ARCHERY	180	74	1	0	1	1.4%
MUZZLELOADER	153	101	16	22	38	37.6%
UNKNOWN WEAPON USED	919	593	47	302	349	58.9%
PERMIT SEASON TOTALS	8,455	5,587	696	2,150	2,846	50.9%

* CALCULATED FROM SPECIAL PERMIT HUNTING ACTIVITY REPORTS. THE PERMIT HUNTER NUMBER IS THE NUMBER OF THOSE REPORTING THAT THEY HUNTED THE SPECIAL PERMIT HUNT. SOME HUNTED THE GENERAL SEASON AND SOME REPORTED NOT HUNTING AT ALL.

**WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998 SPECIAL HUNTING PERMIT DRAWINGS**

DEER

Hunt Choice	Deer Permits Modern Firearm Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1001	Sherman	50	50	778	49	1	0	0	320	404
1002	Kelly Hill	100	100	617	55	38	3	4	236	277
1003	Threeforks	250	250	996	171	42	24	13	323	412
1004	Selkirk	30	30	458	22	0	8	0	234	194
1005	49 Degrees North	150	150	1,096	139	10	1	0	551	385
1006	Huckleberry	300	300	1,756	250	33	6	11	779	660
1007	Mt. Spokane	600	600	1,376	363	108	85	44	459	304
1008	Mica Peak	160	160	438	75	40	25	20	232	40
1009	Cheney	150	150	592	97	25	16	12	268	165
1010	Roosevelt	375	375	1,306	336	22	14	3	423	500
1011	Harrington	125	125	685	116	7	0	2	237	321
1012	Steptoe	200	200	856	184	10	5	1	315	335
1013	Almota	225	225	1,032	205	14	6	0	364	440
1014	Mayview	250	250	970	180	35	25	10	287	428
1015	Prescott A	250	250	1,135	194	42	13	1	384	499
1016	Blue Creek	150	150	617	76	48	23	3	213	251
1017	Dayton	100	100	737	50	30	17	3	326	304
1018	Marengo A	125	125	516	33	33	40	19	222	165
1019	Marengo B	150	150	933	113	20	10	7	421	358
1020	Peola	50	50	487	28	12	10	0	199	238
1021	Blue Mt. Foothills A	100	100	1,992	91	4	4	1	683	1,200
1022	Blue Mt. Foothills B	75	75	1,309	47	20	5	3	398	827
1023	East Okanogan	150	150	1,636	120	22	6	2	348	1,130
1024	West Okanogan	200	200	1,830	100	74	17	9	353	1,265
1025	Sinlahekin	50	50	1,152	41	9	0	0	231	869
1026	Alta A	47	47	1,878	43	4	0	0	346	1,476
1027	Desert A	9	9	1,516	9	0	0	0	247	1,255
1028	Quilomene A	56	56	1,763	32	20	4	0	266	1,427
1029	Umtanum A	59	59	2,019	50	4	5	0	354	1,592
1030	Alkali A	59	59	1,144	40	9	7	3	124	954
1031	Green River A	15	15	821	15	0	0	0	217	588
1032	Green River B	15	15	408	7	8	0	0	145	246
1033	Lincoln	175	175	675	145	12	11	7	180	316
1034	Stella	75	75	231	45	15	9	6	53	103
1035	Mossyrock	150	150	981	123	14	8	5	293	533
1036	Willapa Hills	85	85	842	77	5	1	2	257	500
1037	Stormking	75	75	562	55	14	5	1	181	302
1038	South Rainier	75	75	472	46	16	6	7	157	240
1039	Packwood	100	100	1,034	72	14	8	6	346	587
1040	Winston	100	100	1,173	90	9	1	0	410	657
1041	Ryderwood	85	85	1,117	74	8	2	1	405	623
1042	Coweeman	175	175	1,215	161	9	2	3	357	679
1043	Yale	50	50	279	37	4	5	4	86	143
1044	Marble	75	75	597	35	19	11	10	204	317
1045	Lewis River	100	100	763	62	16	12	10	228	433
1046	Washougal	35	35	415	33	1	1	0	152	228
1047	Siouxon	100	100	673	74	15	5	6	179	394
1048	West Klickitat	25	25	564	24	1	0	0	172	367
1049	East Klickitat	25	25	532	17	6	1	1	114	389
1050	Grayback	25	25	729	21	4	0	0	199	501
1051	Pysht	30	30	294	28	1	1	0	55	209
1052	Olympic	40	40	576	38	2	0	0	158	377
1053	Coyle	40	40	457	37	2	1	0	118	298
1054	Kitsap	20	20	252	12	2	4	2	76	156
1055	Mason Lake	60	60	408	50	1	6	3	110	236
1056	Skokomish	80	80	530	71	2	1	6	144	304
1057	Wynoochee	75	75	694	63	10	2	0	263	353
1058	Satsop	150	150	1,091	128	11	3	8	359	576
1059	North River	40	40	340	21	5	9	5	141	159
1060	Minot Peak	100	100	650	78	16	6	0	236	314
1061	Capitol Peak	100	100	637	59	17	9	15	222	314
1062	Deschutes	80	80	347	36	24	7	13	94	173
1063	Skookumchuck A	90	90	952	83	3	2	2	329	533
1064	Fall River	90	90	512	75	8	4	3	160	261
1065	Williams Creek	50	50	398	43	6	1	0	113	235

Hunt Choice	Deer Permits Muzzleloader Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1066	Colville	50	50	169	47	3	0	0	25	90
1067	Alta B	8	8	82	6	2	0	0	17	53
1068	Moses Coulee	25	25	181	19	1	2	3	32	120
1069	Desert B	1	1	47	1	0	0	0	7	38
1070	Quilomene B	4	4	91	4	0	0	0	22	61
1071	Umtanum B	5	5	144	5	0	0	0	39	100
1072	Alkali	10	10	80	6	1	3	0	22	47
1073	Satsop	50	50	233	39	8	3	0	41	134

Hunt Choice	Deer Buck Permits Archery Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1074	Alta C	32	32	82	28	4	0	0	33	15
1075	Desert C	13	13	89	13	0	0	0	51	25
1076	Quilomene C	86	47	78	34	4	8	1	31	0
1077	Umtanum C	86	60	95	46	11	3	0	35	0
1078	Alkali C	155	28	74	26	0	1	1	46	0

**WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998 SPECIAL HUNTING PERMIT DRAWINGS**

DEER

Hunt Choice	Deer Permits Advanced Hunter Education Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1079	Cheney/Roosevelt	75	52	76	24	14	7	7	24	0
1080	Mt. Adams	10	10	77	8	2	0	0	21	46
1081	Skookumchuck	10	10	80	9	1	0	0	39	31

Hunt Choice	Deer Permits Persons of Disability Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1082	Blue Mt. Foothills C	10	10	53	8	1	0	1	19	24
1083	Green River C	5	5	50	3	0	2	0	24	21
1084	Margaret	25	25	57	16	6	1	2	16	16
1085	Lone Butte	3	3	34	2	0	1	0	15	16
1086	Trout Creek Hill	3	3	18	1	0	1	1	9	6
1087	Eleven Mile Ridge	2	2	14	2	0	0	0	10	2
1088	Red Mountain	2	2	13	0	1	1	0	7	4
1089	Paradise Ridge	2	2	14	1	0	0	1	7	5
1090	Proverbial Creek	2	2	18	2	0	0	0	10	6
1091	Gobbler's Knob	2	2	20	1	1	0	0	12	6
1092	Skookumchuck B	15	15	61	13	1	1	0	26	20
1093	Bear River	20	20	39	13	4	3	0	9	10

Hunt Choice	Deer Permits Seniors Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1094	Walla Walla	75	75	212	64	5	4	2	28	108

Hunt Choice	Deer Permits Youth Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1095	Blue Mt. Foothills D	100	100	263	97	1	1	1	70	93
1096	Blue Mt. Foothills E	75	75	200	45	27	1	2	71	54
1097	Big Bend C	25	25	72	20	3	2	0	21	26
1098	Toutle	100	100	263	93	5	0	2	90	73
1099	Wind River	75	75	114	40	16	11	8	32	7
1100	Satsop	10	10	92	9	0	1	0	49	33
1101	Skookumchuck C	60	60	163	57	1	1	1	47	56

Hunt Choice	Deer Permits Private Lands Wildlife Management Areas	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Deer
1102	Wilson A	1	1	106	1	0	0	0	39	66
1103	Wilson B	29	29	65	8	19	2	0	9	27
1104	Wilson C	29	17	19	6	9	2	0	1	1
1105	Wilson D	29	27	33	8	14	2	3	6	0
1106	Wilson E	1	1	27	1	0	0	0	17	9
1107	Wilson F	1	1	94	1	0	0	0	36	57
1108	Kapowsin North	50	20	27	11	8	1	0	6	1
1109	Kapowsin Central	100	100	217	72	15	10	3	53	64
1110	Kapowsin South	100	40	58	35	2	1	2	13	5

STATEWIDE DEER PERMITS QUOTA / APPLICATION SUMMARY	Permit Quota	Permits Issued
Modern Firearm/Muzzleloader	7,200	7,200
Muzzleloader	153	153
Archery	372	180
Advanced Hunter Education Graduates	95	72
Persons of Disability	91	91
Seniors	75	75
Youth	445	445
Private Lands Wildlife Management Areas	340	236
Deer Totals	8,771	8,452

Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice
5,344	1,036	523	297
127	15	8	3
147	19	12	2
41	17	7	7
62	14	10	5
64	5	4	2
361	53	17	14
143	67	18	8
6,289	1,226	599	338

Total Number of Deer Hunters Applying= 20,129

Washington Department of Fish and Wildlife

1998 Special Permit Hunting Activity for Deer

1998 Hunt Number	1998 Deer Permits Modern Firearm/Muzzleloader Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1001	Sherman	50	37	74.0	33	1	15	16	48.5	4.2
1002	Kelly Hill	100	79	79.0	64	2	32	34	53.1	3.1
1003	Threeforks	250	191	76.4	171	16	68	84	49.1	3.7
1004	Selkirk	30	22	73.3	17	0	5	5	29.4	5.4
1005	49 Degrees North	150	117	78.0	103	7	37	44	42.7	3.9
1006	Huckleberry	300	211	70.3	185	14	99	113	61.1	2.7
1007	Mt. Spokane	600	436	72.7	362	27	121	148	40.9	3.5
1008	Mica Peak	160	131	81.9	113	9	33	42	37.2	3.9
1009	Cheney	150	121	80.7	103	13	38	51	49.5	3.1
1010	Roosevelt	375	311	82.9	282	28	175	203	72.0	2.5
1011	Harrington	125	91	72.8	79	14	49	63	79.7	2.6
1012	Steptoe	200	152	76.0	136	16	75	91	66.9	2.6
1013	Almota	225	171	76.0	151	27	85	112	74.2	2.1
1014	Mayview	250	180	72.0	152	19	91	110	72.4	2.3
1015	Prescott_A	250	192	76.8	139	0	105	105	75.5	1.6
1016	Blue Creek	150	112	74.7	89	1	35	36	40.4	2.9
1017	Dayton	100	66	66.0	42	0	21	21	50.0	2.4
1018	Marengo_A	125	100	80.0	66	0	32	32	48.5	2.2
1019	Marengo_B	150	126	84.0	97	1	69	70	72.2	2.1
1020	Peola	50	43	86.0	30	0	21	21	70.0	2.4
1021	Blue Mt Foothills_A	100	77	77.0	69	34	8	42	60.9	4.4
1022	Blue Mt Foothills_B	75	56	74.7	45	23	7	30	66.7	3.9
1023	East Okanogan	150	113	75.3	100	31	18	49	49.0	5.3
1024	West Okanogan	200	152	76.0	110	10	33	43	39.1	4.8
1025	Sinlahekin	50	43	86.0	38	10	11	21	55.3	4.6
1026	Alta_A	47	42	89.4	40	24	0	24	60.0	5.9
1027	Desert_A	11	11	100.0	11	11	0	11	100.0	3.2
1028	Quilomene_A	56	50	89.3	45	35	0	35	77.8	3.8
1029	Umtanum_A	59	49	83.1	46	31	0	31	67.4	3.4
1030	Alkali_A	59	48	81.4	45	31	0	31	68.9	3.5
1031	Green River_A	15	12	80.0	12	1	0	1	8.3	2.0
1032	Green River_B	15	13	86.7	13	0	11	11	84.6	1.7
1033	Lincoln	175	155	88.6	141	22	31	53	37.6	4.0
1034	Stella	75	64	85.3	46	5	5	10	21.7	4.0
1035	Mossyrock	150	108	72.0	93	10	27	37	39.8	4.1
1036	Willapa Hills	85	65	76.5	58	3	21	24	41.4	4.5
1037	Stormking	75	61	81.3	57	7	19	26	45.6	4.0
1038	South Rainier	75	62	82.7	56	2	16	18	32.1	4.9
1039	Packwood	100	86	86.0	82	3	16	19	23.2	4.3
1040	Winston	100	81	81.0	68	2	20	22	32.4	5.9
1041	Ryderwood	85	70	82.4	63	5	21	26	41.3	4.4
1042	Coweeman	175	138	78.9	126	12	32	44	34.9	4.8
1043	Yale	50	41	82.0	36	6	8	14	38.9	4.3
1044	Marble	75	59	78.7	49	3	11	14	28.6	5.0
1045	Lewis River	100	81	81.0	66	3	21	24	36.4	3.9
1046	Washougal	35	31	88.6	30	1	14	15	50.0	4.0
1047	Siouxon	100	79	79.0	72	1	26	27	37.5	4.0
1048	West Klickitat	25	23	92.0	17	2	7	9	52.9	5.4
1049	East Klickitat	25	18	72.0	17	4	4	8	47.1	4.0
1050	Grayback	25	22	88.0	21	3	7	10	47.6	3.3
1051	Pysht	30	21	70.0	19	3	8	11	57.9	5.2
1052	Olympic	40	32	80.0	28	1	11	12	42.9	4.5
1053	Coyle	40	34	85.0	28	5	5	10	35.7	6.1
1054	Kitsap	20	11	55.0	10	2	1	3	30.0	3.3
1055	Mason Lake	60	48	80.0	44	9	15	24	54.5	3.5
1056	Skokomish	80	60	75.0	53	0	23	23	43.4	5.1
1057	Wynoochee	75	61	81.3	56	12	18	30	53.6	4.6
1058	Satsop	150	129	86.0	116	24	30	54	46.6	4.2
1059	North River	40	34	85.0	31	4	6	10	32.3	5.1
1060	Minot Peak	100	72	72.0	68	8	17	25	36.8	4.8
1061	Capitol Peak	100	75	75.0	67	9	15	24	35.8	3.9
1062	Deschutes	80	61	76.3	48	7	5	12	25.0	4.9
1063	Skookumchuck_A	90	73	81.1	67	4	35	39	58.2	3.3
1064	Fall River	90	64	71.1	61	9	22	31	50.8	4.7
1065	Williams Creek	50	39	78.0	36	4	15	19	52.8	5.1

1998 Hunt Number	1998 Deer Permits Muzzleloader Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1066	Colville	50	40	80.0	30	4	8	12	40.0	3.2
1067	Alta_B	8	8	100.0	7	0	0	0	0.0	3.6
1068	Moses Coulee	25	20	80.0	16	1	9	10	62.5	3.1
1069	Desert_B	1	1	100.0	0	0	0	0	0.0	0.0
1070	Quilomene_B	4	4	100.0	4	0	0	0	0.0	2.8
1071	Umtanum_B	5	5	100.0	5	3	0	3	60.0	4.2
1072	Alkali_B	10	7	70.0	5	2	0	2	40.0	3.0
1073	Satsop	50	39	78.0	34	6	5	11	32.4	3.2

Washington Department of Fish and Wildlife

1998 Special Permit Hunting Activity for Deer

1998 Hunt Number	1998 Deer Permits Archery Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1074	Alta_C	32	21	65.6	8	0	0	0	0.0	3.4
1075	Desert_C	13	11	84.6	9	0	0	0	0.0	3.6
1076	Quilomene_C	47	29	61.7	20	0	0	0	0.0	6.0
1077	Umtanum_C	60	48	80.0	28	1	0	1	3.6	5.2
1078	Alkali_C	28	16	57.1	9	0	0	0	0.0	2.8

1998 Hunt Number	1998 Deer Permits Advanced Hunter Education Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1079	Cheney/Roosevelt	52	47	90.4	24	0	16	16	66.7	1.9
1080	Mt. Adams	10	8	80.0	4	0	1	1	25.0	2.8
1081	Skookumchuck	10	9	90.0	7	2	1	3	42.9	2.9

1998 Hunt Number	1998 Deer Permits Persons of Disability Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1082	Blue Mt Foothills_C	10	10	100.0	7	2	2	4	57.1	2.7
1083	Green River_C	5	5	100.0	5	0	5	5	100.0	1.6
1084	Margaret	25	22	88.0	19	0	4	4	21.1	4.6
1085	Lone Butte	3	3	100.0	3	0	0	0	0.0	4.7
1086	Trout Creek Hill	3	3	100.0	3	0	1	1	33.3	7.0
1087	Eleven Mile Ridge	2	1	50.0	0	0	0	0	0.0	0.0
1088	Red Mountain	2	2	50.0	2	0	1	1	50.0	7.0
1089	Paradise Ridge	2	2	100.0	2	0	0	0	0.0	7.0
1090	Proverbial Creek	2	2	100.0	1	1	0	1	100.0	5.0
1091	Gobbler's Knob	2	1	50.0	1	0	1	1	100.0	8.0
1092	Skookumchuck_B	15	12	80.0	12	0	5	5	41.7	4.2
1093	Bear River	20	15	75.0	13	0	3	3	23.1	4.4

1998 Hunt Number	1998 Deer Permits Senior Hunters Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1094	Walla Walla	75	64	85.3	51	5	31	36	70.6	2.3

1998 Hunt Number	1998 Deer Permits Youth Hunters Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1095	Blue Mt Foothills_D	100	68	68.0	64	3	52	55	85.9	2.2
1096	Blue Mt Foothills_E	75	51	68.0	49	6	30	36	73.5	2.7
1097	Big Bend_C	25	17	68.0	15	1	10	11	73.3	2.4
1098	Toutle	100	64	64.0	59	6	20	26	44.1	2.9
1099	Wind River	75	53	70.7	45	2	18	20	44.4	4.2
1100	Satsop	10	6	60.0	6	0	5	5	83.3	2.5
1101	Skookumchuck_C	60	47	78.3	47	13	15	28	59.6	3.3

1998 Hunt Number	1998 Deer Permits Private Lands Wildlife Management Areas	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
1102	Wilson_A	1	1	100.0	1	1	0	1	100.0	0.0
1103	Wilson_B	29	29	100.0	22	0	15	15	68.2	0.8
1104	Wilson_C	17	13	76.5	10	1	9	10	100.0	0.5
1105	Wilson_D	27	25	92.6	20	0	14	14	70.0	0.7
1106	Wilson_E	1	1	100.0	1	0	0	0	0.0	1.0
1107	Wilson_F	1	1	100.0	1	1	0	1	100.0	1.0
1108	Kapowsin North	20	20	100.0	15	0	4	4	26.7	3.0
1109	Kapowsin Central	100	80	80.0	62	1	33	34	54.8	1.9
1110	Kapowsin South	40	28	70.0	22	2	6	8	36.4	2.1

1998 Deer Permits	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success
Raffle Deer Permit ***	1	1	100.0	1	1	0	1	100.0
Modern or Muzzleloader	7,202	5,613	77.9	4,818	631	1,826	2,457	51.0
Muzzleloader	153	124	81.0	101	16	22	38	37.6
Archery	180	125	69.4	74	1	0	1	1.4
Advanced Hunter Education	72	64	88.9	35	2	18	20	57.1
Persons of Disability	91	78	85.7	68	3	22	25	36.8
Senior	75	64	85.3	51	5	31	36	70.6
Youth	445	306	68.8	285	31	150	181	63.5
Private Lands Wildlife Management Areas	236	198	83.9	154	6	81	87	56.5
Deer Summary	8,455	6,573	77.7	5,587	696	2,150	2,846	50.9%

Special note: the hunt numbers shown above correspond to those in the 1998 Big Game Hunting Seasons and Rules pamphlet. The 1999 hunt numbers will be different. Please refer to the 1999 Big Game Hunting Seasons and Rules pamphlet when applying for special hunting permits for the 1999 hunting season.

*** Note: the raffle deer permit hunter hunted in GMU 290 - Desert.

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=1 SPECIES=DEER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P11	101	SHERMAN	597	232	829	0.14	5883	25099	30
	PMU SUB-TOTAL		597	232	829	0.14	5883	25099	30
P13	105	KELLY HILL	230	56	286	0.14	2081	7371	26
	109	THREEFORKS	512	147	659	0.16	3999	17682	27
	113	SELKIRK	270	63	333	0.08	4103	18690	56
	117	49 DEGREES NORTH	739	168	907	0.13	6822	29393	32
	121	HUCKLEBERRY	1282	420	1702	0.16	10952	49983	29
	124	MOUNT SPOKANE	1185	204	1389	0.19	7227	34575	25
	PMU SUB-TOTAL		4218	1058	5276	0.14	35183	157693	30
P14	127	MICA PEAK	257	37	294	0.17	1693	9178	31
	130	CHENEY	258	105	363	0.13	2727	10862	30
	133	ROOSEVELT	447	87	534	0.17	3093	10174	19
	PMU SUB-TOTAL		962	229	1191	0.16	7513	30213	25
P15	136	HARRINGTON	266	79	345	0.14	2412	8085	23
	139	STEPTOE	423	57	480	0.18	2598	9550	20
	142	ALMOTA	359	49	408	0.22	1860	5618	14
	PMU SUB-TOTAL		1048	185	1233	0.18	6870	23253	19
P16	145	MAYVIEW	352	2	354	0.26	1362	3609	10
	149	PRESCOTT	492	8	500	0.21	2347	6497	13
	154	BLUE CREEK	148	11	159	0.15	1057	3323	21
	178	PEOLA	225	3	228	0.22	1053	2823	12
	181	COUSE	260	21	281	0.20	1391	4202	15
	PMU SUB-TOTAL		1477	45	1522	0.21	7210	20454	13
P17	162	DAYTON	241	5	246	0.11	2240	7900	32
	163	MARENGO	180	6	186	0.30	628	1705	9
	166	TUCANNON	90	19	109	0.07	1626	6044	55
	169	WENAHA	20	2	22	0.05	403	1186	54
	172	MOUNTAIN VIEW	29	9	38	0.10	391	1339	35
	175	LICK CREEK	43	2	45	0.06	700	2451	54
	186	GRANDE RONDE	45	0	45	0.23	197	580	13
	PMU SUB-TOTAL		648	43	691	0.13	6185	21206	30
REGIONAL TOTAL			8950	1792	10742	0.16	68843	277919	26

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=1 SPECIES=DEER WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P11	101	SHERMAN	536	201	737	0.14	5116	20711	28
	PMU SUB-TOTAL		536	201	737	0.14	5116	20711	28
P13	105	KELLY HILL	221	53	274	0.14	1972	6982	25
	109	THREEFORKS	485	142	627	0.17	3731	16771	27
	113	SELKIRK	247	60	307	0.08	3624	16507	54
	117	49 DEGREES NORTH	694	162	856	0.14	6325	27088	32
	121	HUCKLEBERRY	1239	387	1626	0.15	10499	47441	29
	124	MOUNT SPOKANE	1129	179	1308	0.20	6627	30208	23
	PMU SUB-TOTAL		4015	983	4998	0.20	25423	144996	29
P14	127	MICA PEAK	230	26	256	0.19	1368	6372	25
	130	CHENEY	211	31	242	0.11	2114	7299	30
	133	ROOSEVELT	443	73	516	0.18	2842	9272	18
	PMU SUB-TOTAL		884	130	1014	0.17	6058	22944	23
P15	136	HARRINGTON	239	13	252	0.14	1812	5550	22
	139	STEPTOE	413	55	468	0.20	2398	8451	18
	142	ALMOTA	350	44	394	0.22	1794	5047	13
	PMU SUB-TOTAL		1002	112	1114	0.20	5596	19049	17
P16	145	MAYVIEW	348	0	348	0.26	1332	3544	10
	149	PRESCOTT	483	0	483	0.22	2238	6181	13
	154	BLUE CREEK	130	0	130	0.14	959	3006	23
	178	PEOLA	225	0	225	0.23	977	2553	11
	181	COUSE	250	0	250	0.22	1155	3057	12
	PMU SUB-TOTAL		1436	0	1436	0.24	5951	18340	13
P17	162	DAYTON	232	0	232	0.11	2043	6733	29
	163	MARENGO	178	0	178	0.31	568	1582	9
	166	TUCANNON	83	0	83	0.06	1350	4483	54
	169	WENAHA	18	0	18	0.05	373	1055	59
	172	MOUNTAIN VIEW	24	0	24	0.07	338	1248	52
	175	LICK CREEK	39	0	39	0.06	622	1987	51
	186	GRANDE RONDE	45	0	45	0.23	197	580	13
PMU SUB-TOTAL		619	0	619	0.14	4530	17668	29	
REGIONAL TOTAL			8492	1426	9918	0.22	45160	243708	25

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=1 SPECIES=DEER WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P11	101	SHERMAN	61	31	92	0.12	767	4389	48
	PMU SUB-TOTAL		61	31	92	0.12	767	4389	48
P13	105	KELLY HILL	9	3	12	0.11	109	388	32
	109	THREEFORKS	9	5	14	0.14	98	349	25
	113	SELKIRK	7	3	10	0.08	131	738	74
	117	49 DEGREES NORTH	16	6	22	0.07	295	1679	76
	121	HUCKLEBERRY	43	33	76	0.17	452	2543	33
	124	MOUNT SPOKANE	56	25	81	0.13	600	4367	54
	PMU SUB-TOTAL		140	75	215	0.16	1348	10064	47
P14	127	MICA PEAK	27	11	38	0.12	325	2805	74
	130	CHENEY	11	11	22	0.10	216	1497	68
	133	ROOSEVELT	4	14	18	0.07	251	902	50
	PMU SUB-TOTAL		42	36	78	0.11	708	5204	67
P15	136	HARRINGTON	4	3	7	0.07	98	630	90
	139	STEPTOE	7	2	9	0.11	79	620	69
	142	ALMOTA	9	5	14	0.21	65	571	41
	PMU SUB-TOTAL		20	10	30	0.15	197	1821	61
P16	145	MAYVIEW	4	2	6	0.20	30	65	11
	149	PRESCOTT	9	8	17	0.16	108	317	19
	154	BLUE CREEK	18	11	29	0.30	98	317	11
	178	PEOLA	0	3	3	0.04	76	270	90
	181	COUSE	0	3	3	0.10	30	242	81
	PMU SUB-TOTAL		31	27	58	0.23	256	1211	21
P17	162	DAYTON	9	5	14	0.07	197	1167	83
	163	MARENGO	2	6	8	0.13	59	123	15
	166	TUCANNON	7	19	26	0.09	275	1561	60
	169	WENAHA	2	2	4	0.13	30	132	33
	175	LICK CREEK	4	2	6	0.08	79	465	77
	PMU SUB-TOTAL		24	34	58	0.12	492	3447	59
REGIONAL TOTAL			318	213	531	0.17	3158	26136	49

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=1 SPECIES=DEER WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P13	109	THREEFORKS	18	0	18	0.11	170	562	31
	113	SELKIRK	16	0	16	0.05	348	1446	90
	117	49 DEGREES NORTH	29	0	29	0.14	202	626	22
	PMU SUB-TOTAL			63	0	63	0.09	696	2633	42
P14	130	CHENEY	36	63	99	0.25	396	2065	21
	PMU SUB-TOTAL			36	63	99	0.25	396	2065	21
P15	136	HARRINGTON	23	63	86	0.17	501	1905	22
	139	STEPTOE	3	0	3	0.02	121	478	159
	PMU SUB-TOTAL			26	63	89	0.15	590	2383	27
P16	181	COUSE	10	18	28	0.14	206	903	32
	PMU SUB-TOTAL			10	18	28	0.14	206	903	32
P17	172	MOUNTAIN VIEW	5	9	14	0.26	54	91	6
	PMU SUB-TOTAL			5	9	14	0.26	54	91	6
REGIONAL TOTAL			140	153	293	0.18	1666	8075	28

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=2 SPECIES=DEER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P21	203	PASAYTEN	17	0	17	0.02	823	2971	175
	209	WANNACUT	59	0	59	0.09	652	1633	28
	215	SINLAHEKIN	139	16	155	0.07	2352	9295	60
	218	CHEWUCH	99	0	99	0.04	2548	8965	91
	224	PEARRYGIN	191	2	193	0.08	2414	8114	42
	231	GARDNER	95	4	99	0.07	1401	4253	43
	233	POGUE	95	2	97	0.11	914	2494	26
	239	CHILIWIST	102	2	104	0.12	870	2388	23
	PMU SUB-TOTAL			797	26	823	0.07	11974	40112	49
P22	204	OKANOGAN EAST	491	8	499	0.14	3677	13594	27
	PMU SUB-TOTAL			491	8	499	0.14	3677	13594	27
P23	248	BIGBEND	195	6	201	0.32	626	1388	7
	254	SAINT ANDREWS	102	0	102	0.32	317	1003	10
	260	FOSTER CREEK	96	0	96	0.25	377	971	10
	262	WITHROW	61	0	61	0.15	406	717	12
	266	BADGER	84	8	92	0.19	491	1210	13
	269	MOSES COULEE	74	2	76	0.13	595	1974	26
	PMU SUB-TOTAL			612	16	628	0.23	2812	7263	12
P24	272	BEEZLEY	267	8	275	0.27	1034	2947	11
	278	WAHLUKE	23	0	23	0.11	206	428	19
	281	RINGOLD	3	0	3	0.03	111	201	67
	PMU SUB-TOTAL			293	8	301	0.13	1351	3576	12
P25	284	KAHLOTUS	297	34	331	0.23	1416	4542	14
	PMU SUB-TOTAL			297	34	331	0.23	1416	4542	14
REGIONAL TOTAL			2490	92	2582	0.12	21229	69086	27

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=2 SPECIES=DEER WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P21	203	PASAYTEN	14	0	14	0.02	782	2865	205
	209	WANNACUT	51	0	51	0.10	515	1080	21
	215	SINLAHEKIN	127	0	127	0.06	2008	7560	60
	218	CHEWUCH	97	0	97	0.04	2469	8700	90
	224	PEARRYGIN	184	0	184	0.08	2345	7800	42
	231	GARDNER	87	0	87	0.06	1368	4155	48
	233	POGUE	95	0	95	0.11	827	2190	23
	239	CHILIWIST	100	0	100	0.12	827	2280	23
	PMU SUB-TOTAL			755	0	755	0.08	9398	36630	49
P22	204	OKANOGAN EAST	479	0	479	0.14	3411	12309	26
	PMU SUB-TOTAL			479	0	479	0.14	3411	12309	26
P23	248	BIGBEND	192	0	192	0.32	604	1280	7
	254	SAINT ANDREWS	102	0	102	0.34	302	987	10
	260	FOSTER CREEK	94	0	94	0.26	355	910	10
	262	WITHROW	61	0	61	0.16	391	679	11
	266	BADGER	82	0	82	0.18	462	1141	14
	269	MOSES COULEE	74	0	74	0.13	551	1897	26
	PMU SUB-TOTAL			605	0	605	0.25	2452	6895	11
P24	272	BEEZLEY	260	0	260	0.30	871	2015	8
	278	WAHLUKE	23	0	23	0.12	195	418	18
	281	RINGOLD	3	0	3	0.03	89	119	40
	PMU SUB-TOTAL			286	0	286	0.26	1119	2552	9
P25	284	KAHLOTUS	297	0	297	0.25	1208	3669	12
	PMU SUB-TOTAL			297	0	297	0.25	1208	3669	12
REGIONAL TOTAL			2422	0	2422	0.14	16948	62054	26

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=2 SPECIES=DEER WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P21	203	PASAYTEN	0	0	0	0.00	30	88	.
	209	WANNACUT	5	0	5	0.08	65	235	47
	215	SINLAHEKIN	12	16	28	0.08	344	1735	62
	218	CHEWUCH	2	0	2	0.03	79	265	132
	224	PEARRYGIN	7	2	9	0.13	69	314	35
	231	GARDNER	8	4	12	0.37	33	98	8
	233	POGUE	0	2	2	0.02	87	304	152
	239	CHILIWIST	2	2	4	0.09	44	108	27
	PMU SUB-TOTAL			36	26	62	0.11	571	3146	51
P22	204	OKANOGAN EAST	12	8	20	0.08	266	1285	64
	PMU SUB-TOTAL			12	8	20	0.08	266	1285	64
P23	248	BIGBEND	3	6	9	0.41	22	107	12
	254	SAINT ANDREWS	0	0	0	0.00	15	15	.
	260	FOSTER CREEK	2	0	2	0.09	22	61	31
	262	WITHROW	0	0	0	0.00	15	38	.
	266	BADGER	2	8	10	0.34	30	69	7
	269	MOSES COULEE	0	2	2	0.04	44	77	38
	PMU SUB-TOTAL			7	16	23	0.21	108	368	16
P24	272	BEEZLEY	7	8	15	0.09	163	932	62
	278	WAHLUKE	0	0	0	0.00	11	10	.
	281	RINGOLD	0	0	0	0.00	22	82	.
	PMU SUB-TOTAL			7	8	15	0.08	196	1024	68
P25	284	KAHLOTUS	0	0	0	0.00	30	30	.
	PMU SUB-TOTAL			0	0	0	0.00	30	30
REGIONAL TOTAL			62	58	120	0.11	1082	5853	49

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=2 SPECIES=DEER WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P21	203	PASAYTEN	3	0	3	0.25	12	18	6
	209	WANNACUT	3	0	3	0.04	72	318	106
	PMU SUB-TOTAL		6	0	6	0.07	84	336	56
P25	284	KAHLOTUS	0	34	34	0.19	178	843	25
	PMU SUB-TOTAL		0	34	34	0.19	178	843	25
REGIONAL TOTAL			6	34	40	0.15	262	1179	29

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=3 SPECIES=DEER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P31	300	MANSON	47	0	47	0.07	636	2493	53
	301	CLARK	7	0	7	0.03	228	940	134
	304	CHIWAWA	49	0	49	0.04	1268	4863	99
	306	SLIDE RIDGE	4	0	4	0.01	332	1458	365
	308	ENTIAT	24	0	24	0.03	776	2749	115
	316	SWAKANE	75	0	75	0.11	695	2536	34
	PMU SUB-TOTAL			206	0	206	0.05	3934	15039	73
P32	302	ALPINE	26	0	26	0.04	700	2092	80
	314	MISSION	28	0	28	0.04	633	1998	71
	328	NANEUM	67	0	67	0.05	1459	5664	85
	334	ELLENSBURG	0	0	0	0.00	240	567	.
	335	TEANAWAY	107	0	107	0.03	3114	11795	110
	PMU SUB-TOTAL			228	0	228	0.03	6146	22116	97
P33	336	TANEUM	35	0	35	0.03	1136	3761	107
	340	MANASTASH	38	0	38	0.02	1703	6150	162
	346	LITTLE NACHES	24	0	24	0.01	1673	5263	219
	PMU SUB-TOTAL			97	0	97	0.02	4513	15175	156
P34	372	KIONA	141	0	141	0.32	440	1357	10
	PMU SUB-TOTAL			141	0	141	0.32	440	1357	10
P35	352	NILE	32	0	32	0.02	1922	7388	231
	356	BUMPING	4	0	4	0.00	966	3370	842
	360	BETHEL	28	0	28	0.03	1100	2824	101
	PMU SUB-TOTAL			64	0	64	0.02	3989	13582	212
P36	364	RIMROCK	21	0	21	0.02	933	3552	169
	368	COWICHE	99	0	99	0.08	1259	4372	44
	PMU SUB-TOTAL			120	0	120	0.05	2192	7924	66
REGIONAL TOTAL			856	0	856	0.04	21213	75193	88

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=3 SPECIES=DEER WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL	
P31	300	MANSON	47	0	47	0.08	568	2266	48	
	301	CLARK	7	0	7	0.03	213	896	128	
	304	CHIWAWA	43	0	43	0.04	1208	4673	109	
	306	SLIDE RIDGE	4	0	4	0.01	302	1388	347	
	308	ENTIAT	22	0	22	0.03	746	2723	124	
	316	SWAKANE	54	0	54	0.12	444	1458	27	
	PMU SUB-TOTAL			177	0	177	0.06	3038	13404	76
	P32	302	ALPINE	26	0	26	0.04	689	2064	79
314		MISSION	26	0	26	0.04	622	1916	74	
328		NANEUM	59	0	59	0.06	1066	3038	51	
334		ELLENSBURG	0	0	0	0.00	195	429	.	
335		TEANAWAY	97	0	97	0.03	2789	9941	102	
PMU SUB-TOTAL			208	0	208	0.04	5010	17388	84	
P33		336	TANEUM	28	0	28	0.03	835	2467	88
	340	MANASTASH	38	0	38	0.02	1563	5337	140	
	346	LITTLE NACHES	24	0	24	0.02	1368	3879	162	
	PMU SUB-TOTAL			90	0	90	0.02	3766	11683	130
P34	372	KIONA	139	0	139	0.36	391	1095	8	
	PMU SUB-TOTAL			139	0	139	0.36	391	1095	8
P35	352	NILE	22	0	22	0.02	1066	3127	142	
	356	BUMPING	4	0	4	0.01	711	2312	578	
	360	BETHEL	24	0	24	0.03	959	2609	109	
	PMU SUB-TOTAL			50	0	50	0.02	2345	8048	161
P36	364	RIMROCK	21	0	21	0.03	746	2495	119	
	368	COWICHE	97	0	97	0.10	1013	3429	35	
	PMU SUB-TOTAL			118	0	118	0.07	1688	5924	50
REGIONAL TOTAL			782	0	782	0.05	14799	57543	74	

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=3 SPECIES=DEER WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P31	300	MANSON	0	0	0	0.00	44	141	.
	301	CLARK	0	0	0	0.00	15	44	.
	304	CHIWAWA	2	0	2	0.13	15	18	9
	306	SLIDE RIDGE	0	0	0	0.00	30	70	.
	308	ENTIAT	2	0	2	0.07	30	26	13
	316	SWAKANE	21	0	21	0.09	226	968	46
	PMU SUB-TOTAL			25	0	25	0.08	305	1268	51
P32	302	ALPINE	0	0	0	0.00	11	28	.
	314	MISSION	2	0	2	0.18	11	83	41
	328	NANEUM	8	0	8	0.02	393	2626	328
	334	ELLENSBURG	0	0	0	0.00	44	138	.
	335	TEANAWAY	10	0	10	0.03	325	1854	185
	PMU SUB-TOTAL			20	0	20	0.03	784	4728	236
P33	336	TANEUM	0	0	0	0.00	266	1206	.
	340	MANASTASH	0	0	0	0.00	128	769	.
	346	LITTLE NACHES	0	0	0	0.00	305	1384	.
	PMU SUB-TOTAL			0	0	0	0.00	659	3360
P34	372	KIONA	2	0	2	0.04	49	262	131
	PMU SUB-TOTAL			2	0	2	0.04	49	262	131
P35	352	NILE	6	0	6	0.01	757	3984	854
	356	BUMPING	0	0	0	0.00	256	1057	.
	360	BETHEL	0	0	0	0.00	87	85	.
	PMU SUB-TOTAL			6	0	6	0.01	974	5126	664
P36	364	RIMROCK	0	0	0	0.00	187	1056	.
	368	COWICHE	2	0	2	0.01	246	943	471
	PMU SUB-TOTAL			2	0	2	0.01	393	1999	1000
REGIONAL TOTAL			55	0	55	0.02	2725	16743	304

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=3 SPECIES=DEER WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P31	300	MANSON	0	0	0	0.00	24	86	.
	304	CHIWAWA	4	0	4	0.09	45	172	43
	316	SWAKANE	0	0	0	0.00	24	109	.
	PMU SUB-TOTAL		4	0	4	0.05	81	367	92
P33	336	TANEUM	7	0	7	0.20	36	88	13
	340	MANASTASH	0	0	0	0.00	12	44	.
	PMU SUB-TOTAL		7	0	7	0.15	48	132	19
P35	352	NILE	4	0	4	0.04	99	277	69
	360	BETHEL	4	0	4	0.07	54	131	33
	PMU SUB-TOTAL		8	0	8	0.06	143	408	51
REGIONAL TOTAL			19	0	19	0.06	294	907	48

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=4 SPECIES=DEER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P41	410	ISLANDS	457	138	595	0.28	2125	8477	14
	PMU SUB-TOTAL		457	138	595	0.28	2125	8477	14
P43	407	NORTH SOUND	163	40	203	0.11	1830	7520	37
	PMU SUB-TOTAL		163	40	203	0.11	1830	7520	37
P44	454	ISSAQUAH	96	67	163	0.10	1698	9789	60
	484	PUYALLUP	168	53	221	0.10	2259	11403	52
	PMU SUB-TOTAL		264	120	384	0.10	3957	21192	55
P45	418	NOOKSACK	101	2	103	0.06	1760	6957	68
	426	DIABLO	18	2	20	0.09	212	461	23
	437	SAUK	111	20	131	0.06	2377	10200	78
	PMU SUB-TOTAL		230	24	254	0.07	4349	17619	69
P46	448	STILLAGUAM-ISH	221	2	223	0.09	2433	8295	37
	450	CASCADE	4	0	4	0.01	391	747	187
	PMU SUB-TOTAL		225	2	227	0.05	2824	9042	40
P47	460	SNOQUALMIE	156	72	228	0.09	2532	11076	49
	PMU SUB-TOTAL		156	72	228	0.09	2532	11076	49
P48	466	STAMPEDE	6	15	21	0.05	443	1846	88
	472	WHITE RIVER	87	25	112	0.05	2122	8382	75
	478	MASHEL	183	93	276	0.12	2390	8259	30
	490	CEDAR RIVER	2	0	2	0.02	102	313	156
	PMU SUB-TOTAL		278	133	411	0.06	5057	18799	46
REGIONAL TOTAL			1773	529	2302	0.10	22675	93725	41

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=4 SPECIES=DEER WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P41	410	ISLANDS	388	113	501	0.31	1634	5838	12
	PMU SUB-TOTAL		388	113	501	0.31	1634	5838	12
P43	407	NORTH SOUND	114	0	114	0.09	1226	4319	38
	PMU SUB-TOTAL		114	0	114	0.09	1226	4319	38
P44	454	ISSAQUAH	72	0	72	0.11	657	2307	32
	484	PUYALLUP	126	0	126	0.10	1244	4631	37
	PMU SUB-TOTAL		198	0	198	0.11	1848	6938	35
P45	418	NOOKSACK	101	0	101	0.06	1652	6485	64
	426	DIABLO	18	0	18	0.09	197	444	25
	437	SAUK	105	0	105	0.05	1954	8175	78
	PMU SUB-TOTAL		224	0	224	0.07	3269	15104	67
P46	448	STILLAGUAM- ISH	210	0	210	0.10	2167	7009	33
	450	CASCADE	4	0	4	0.01	391	747	187
	PMU SUB-TOTAL		214	0	214	0.09	2416	7757	36
P47	460	SNOQUALMIE	114	0	114	0.06	1794	6417	56
	PMU SUB-TOTAL		114	0	114	0.06	1794	6417	56
P48	466	STAMPEDE	4	0	4	0.02	256	595	149
	472	WHITE RIVER	76	0	76	0.04	1741	6707	88
	478	MASHEL	151	0	151	0.08	1812	5815	39
	490	CEDAR RIVER	2	0	2	0.02	80	165	83
	PMU SUB-TOTAL		233	0	233	0.06	3695	13283	57
REGIONAL TOTAL			1485	113	1598	0.11	13964	59655	37

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=4 SPECIES=DEER WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P41	410	ISLANDS	36	15	51	0.19	275	1638	32
	PMU SUB-TOTAL		36	15	51	0.19	275	1638	32
P43	407	NORTH SOUND	34	32	66	0.12	551	3110	47
	PMU SUB-TOTAL		34	32	66	0.12	551	3110	47
P44	454	ISSAQUAH	21	49	70	0.09	807	6635	95
	484	PUYALLUP	27	30	57	0.07	797	6023	106
	PMU SUB-TOTAL		48	79	127	0.08	1544	12658	100
P45	418	NOOKSACK	0	2	2	0.02	108	472	236
	426	DIABLO	0	2	2	0.13	15	17	9
	437	SAUK	6	20	26	0.06	423	2025	78
	PMU SUB-TOTAL		6	24	30	0.06	521	2515	84
P46	448	STILLAGUAM- ISH	11	2	13	0.05	266	1285	99
	PMU SUB-TOTAL		11	2	13	0.05	266	1285	99
P47	460	SNOQUALMIE	42	72	114	0.15	738	4659	41
	PMU SUB-TOTAL		42	72	114	0.15	738	4659	41
P48	466	STAMPEDE	2	15	17	0.09	187	1251	74
	472	WHITE RIVER	11	25	36	0.09	381	1674	47
	478	MASHEL	27	20	47	0.19	246	1438	31
	490	CEDAR RIVER	0	0	0	0.00	22	148	.
	PMU SUB-TOTAL		40	60	100	0.13	748	4511	45
REGIONAL TOTAL			217	284	501	0.13	3748	30376	61

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=4 SPECIES=DEER WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P41	410	ISLANDS	33	10	43	0.20	215	1001	23
	PMU SUB-TOTAL		33	10	43	0.20	215	1001	23
P43	407	NORTH SOUND	15	8	23	0.43	54	91	4
	PMU SUB-TOTAL		15	8	23	0.43	54	91	4
P44	454	ISSAQUAH	3	18	21	0.09	235	847	40
	484	PUYALLUP	15	23	38	0.17	218	750	20
	PMU SUB-TOTAL		18	41	59	0.14	437	1597	27
P48	478	MASHEL	5	73	78	0.23	332	1005	13
	PMU SUB-TOTAL		5	73	78	0.23	332	1005	13
REGIONAL TOTAL			71	132	203	0.21	954	3694	18

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=5 SPECIES=DEER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P51	578	WEST KLUCKITAT	359	16	375	0.10	3796	13438	36
	582	EAST KLUCKITAT	265	6	271	0.16	1672	5022	19
	588	GRAYBACK	806	76	882	0.17	5045	18621	21
	PMU SUB-TOTAL		1430	98	1528	0.15	10512	37081	24
P52	564	BATTLE GROUND	283	189	472	0.14	3340	16132	34
	568	WASHOUGAL	368	38	406	0.11	3534	13522	33
	574	WIND RIVER	99	10	109	0.05	2384	8008	73
	PMU SUB-TOTAL		750	237	987	0.10	9259	37661	38
P53	524	MARGARET	76	16	92	0.11	828	2417	26
	554	YALE	34	3	37	0.11	343	1314	36
	556	TOUTLE	189	10	199	0.10	1944	6791	34
	558	MARBLE	79	10	89	0.04	2422	8935	100
	PMU SUB-TOTAL		378	39	417	0.09	5537	19457	47
P54	516	PACKWOOD	211	35	246	0.07	3534	13510	55
	560	LEWIS RIVER	127	35	162	0.06	2888	11964	74
	572	SIouxON	302	19	321	0.08	4039	14583	45
	PMU SUB-TOTAL		640	89	729	0.07	10460	40058	55
P55	510	STORMKING	201	19	220	0.16	1352	5175	24
	513	SOUTH RAINIER	99	10	109	0.09	1164	4276	39
	PMU SUB-TOTAL		300	29	329	0.13	2516	9451	29
P56	505	MOSSYROCK	334	54	388	0.11	3398	13869	36
	520	WINSTON	348	63	411	0.09	4687	21678	53
	550	COWEEMAN	545	13	558	0.14	4035	18177	33
	PMU SUB-TOTAL		1227	130	1357	0.11	12120	53724	40
P57	501	LINCOLN	304	98	402	0.13	3064	12065	30
	504	STELLA	79	40	119	0.15	797	3436	29
	506	WILLAPA HILLS	318	57	375	0.10	3587	17217	46
	530	RYDERWOOD	481	29	510	0.10	5057	23368	46
	PMU SUB-TOTAL		1182	224	1406	0.12	12505	56085	40
REGIONAL TOTAL			5907	846	6753	0.11	62908	253517	38

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=5 SPECIES=DEER WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P51	578	WEST KLUCKITAT	290	0	290	0.10	2967	9815	34
	582	EAST KLUCKITAT	261	0	261	0.17	1563	4750	18
	588	GRAYBACK	700	0	700	0.19	3677	13092	19
	PMU SUB-TOTAL		1251	0	1251	0.17	7444	27658	22
P52	564	BATTLE GROUND	254	164	418	0.16	2665	12983	31
	568	WASHOUGAL	349	0	349	0.12	2842	10018	29
	574	WIND RIVER	99	0	99	0.04	2221	7485	76
	PMU SUB-TOTAL		702	164	866	0.13	6467	30485	35
P53	524	MARGARET	72	0	72	0.11	675	1669	23
	554	YALE	34	0	34	0.12	284	1091	32
	556	TOUTLE	181	0	181	0.10	1777	6003	33
	558	MARBLE	64	0	64	0.04	1812	5650	88
	PMU SUB-TOTAL		351	0	351	0.08	4193	14414	41
P54	516	PACKWOOD	203	0	203	0.07	3002	11117	55
	560	LEWIS RIVER	100	0	100	0.04	2238	7814	78
	572	SIOUXON	275	0	275	0.08	3429	11086	40
	PMU SUB-TOTAL		578	0	578	0.07	7799	30017	52
P55	510	STORMKING	193	0	193	0.16	1244	4684	24
	513	SOUTH RAINIER	95	0	95	0.10	977	3495	37
	PMU SUB-TOTAL		288	0	288	0.14	2025	8179	28
P56	505	MOSSYROCK	299	0	299	0.11	2612	10111	34
	520	WINSTON	299	0	299	0.10	2878	11054	37
	550	COWEEMAN	501	0	501	0.16	3216	13559	27
	PMU SUB-TOTAL		1099	0	1099	0.14	7941	34725	32
P57	501	LINCOLN	242	0	242	0.12	2096	8206	34
	504	STELLA	35	0	35	0.09	374	1254	36
	506	WILLAPA HILLS	291	0	291	0.12	2505	11616	40
	530	RYDERWOOD	440	0	440	0.12	3535	14524	33
	PMU SUB-TOTAL		1008	0	1008	0.14	7408	35600	35
REGIONAL TOTAL			5277	164	5441	0.17	32671	181078	33

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=5 SPECIES=DEER WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P51	578	WEST KLUCKITAT	4	16	20	0.13	157	585	29
	582	EAST KLUCKITAT	4	6	10	0.09	108	272	27
	588	GRAYBACK	23	76	99	0.13	777	3244	33
	PMU SUB-TOTAL			31	98	129	0.14	944	4101	32
P52	564	BATTLE GROUND	15	13	28	0.06	433	2239	80
	568	WASHOUGAL	12	38	50	0.09	571	3135	63
	574	WIND RIVER	0	10	10	0.06	163	522	52
	PMU SUB-TOTAL			27	61	88	0.10	846	5896	67
P53	524	MARGARET	4	16	20	0.13	153	748	37
	554	YALE	0	3	3	0.05	59	223	74
	556	TOUTLE	8	10	18	0.11	167	788	44
	558	MARBLE	15	10	25	0.04	610	3285	131
	PMU SUB-TOTAL			27	39	66	0.08	875	5043	76
P54	516	PACKWOOD	8	35	43	0.08	531	2394	56
	560	LEWIS RIVER	27	35	62	0.10	649	4151	67
	572	SIOUXON	27	19	46	0.08	610	3497	76
	PMU SUB-TOTAL			62	89	151	0.09	1721	10041	66
P55	510	STORMKING	8	19	27	0.25	108	491	18
	513	SOUTH RAINIER	4	10	14	0.07	187	781	56
	PMU SUB-TOTAL			12	29	41	0.14	285	1271	31
P56	505	MOSSYROCK	35	54	89	0.11	787	3758	42
	520	WINSTON	38	63	101	0.06	1712	10399	103
	550	COWEEMAN	15	13	28	0.10	285	1195	43
	PMU SUB-TOTAL			88	130	218	0.09	2410	15352	70
P57	501	LINCOLN	4	6	10	0.08	118	465	46
	504	STELLA	8	10	18	0.30	59	124	7
	506	WILLAPA HILLS	27	57	84	0.08	1082	5601	67
	530	RYDERWOOD	27	29	56	0.05	1053	7053	126
	PMU SUB-TOTAL			66	102	168	0.08	2026	13243	79
REGIONAL TOTAL			313	548	861	0.13	6650	54947	64

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=5 SPECIES=DEER WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P51	578	WEST KLUCKITAT	65	0	65	0.10	671	3038	47
	588	GRAYBACK	83	0	83	0.14	590	2284	28
	PMU SUB-TOTAL		148	0	148	0.13	1116	5322	36
P52	564	BATTLE GROUND	14	12	26	0.11	243	910	35
	568	WASHOUGAL	7	0	7	0.06	121	370	53
	PMU SUB-TOTAL		21	12	33	0.09	364	1279	39
P56	520	WINSTON	11	0	11	0.11	97	225	20
	550	COWEEMAN	29	0	29	0.05	534	3423	118
	PMU SUB-TOTAL		40	0	40	0.06	631	3647	91
P57	501	LINCOLN	58	92	150	0.18	849	3394	23
	504	STELLA	36	30	66	0.18	364	2058	31
	530	RYDERWOOD	14	0	14	0.03	469	1791	128
PMU SUB-TOTAL		108	122	230	0.16	1456	7243	31	
REGIONAL TOTAL			317	134	451	0.14	3114	17492	39

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=6 SPECIES=DEER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P61	658	NORTH RIVER	80	3	83	0.07	1227	4323	52
	660	MINOT PEAK	98	17	115	0.08	1444	5092	44
	663	CAPITOL PEAK	201	27	228	0.12	1884	7271	32
	672	FALL RIVER	104	20	124	0.07	1704	5949	48
	673	WILLIAMS CREEK	84	3	87	0.08	1124	4401	51
	681	BEAR RIVER	52	7	59	0.07	800	4710	80
	684	LONG BEACH	14	3	17	0.18	95	392	23
	802	LONG ISLAND	3	0	3	0.04	76	450	150
	PMU SUB-TOTAL			636	80	716	0.09	8355	32589	46
P62	666	DESCHUTES	189	56	245	0.15	1608	6663	27
	667	SKOOKUMCHUCK	833	71	904	0.20	4628	18663	21
	PMU SUB-TOTAL			1022	127	1149	0.17	6236	25327	22
P63	642	COPALIS	66	3	69	0.14	496	2289	33
	648	WYNOOCHEE	377	17	394	0.12	3361	16212	41
	651	SATSOP	336	0	336	0.12	2920	11196	33
	PMU SUB-TOTAL			779	20	799	0.12	6777	29697	37
P64	621	OLYMPIC	197	17	214	0.08	2719	13007	61
	624	COYLE	200	55	255	0.12	2201	9357	37
	627	KITSAP	150	31	181	0.14	1301	7302	40
	633	MASON LAKE	152	14	166	0.09	1817	6966	42
	PMU SUB-TOTAL			699	117	816	0.11	8039	36632	45
P65	607	SOLEDUCK	29	0	29	0.03	884	3050	105
	615	CLEARWATER	40	0	40	0.05	773	3007	75
	618	MATHENY	0	0	0	0.00	111	534	.
	636	SKOKOMISH	156	0	156	0.08	1940	7937	51
	638	QUINULT RIDGE	29	0	29	0.12	251	904	31
	PMU SUB-TOTAL			254	0	254	0.06	3960	15432	61
P66	601	HOKO	25	0	25	0.06	412	1717	69
	602	DICKEY	74	0	74	0.08	892	3405	46
	603	PYSHT	194	132	326	0.15	2145	8931	27
	612	GOODMAN	13	0	13	0.03	416	1252	96
	PMU SUB-TOTAL			306	132	438	0.08	3866	15305	35
REGIONAL TOTAL			3696	476	4172	0.11	37233	154983	37

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=6 SPECIES=DEER WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P61	658	NORTH RIVER	80	0	80	0.07	1119	3858	48
	660	MINOT PEAK	92	0	92	0.08	1226	4263	46
	663	CAPITOL PEAK	180	0	180	0.12	1510	4911	27
	672	FALL RIVER	95	0	95	0.07	1279	4700	49
	673	WILLIAMS CREEK	78	0	78	0.09	888	3225	41
	681	BEAR RIVER	40	0	40	0.09	426	2156	54
	684	LONG BEACH	7	0	7	0.20	36	49	7
	802	LONG ISLAND	0	0	0	0.00	27	146	.
	PMU SUB-TOTAL			572	0	572	0.11	5330	23308	41
P62	666	DESCHUTES	156	0	156	0.16	995	3561	23
	667	SKOOKUMCHUCK	806	0	806	0.21	3802	14478	18
	PMU SUB-TOTAL			962	0	962	0.21	4566	18040	19
P63	642	COPALIS	63	0	63	0.15	409	1752	28
	648	WYNOOCHEE	365	0	365	0.12	3056	13684	37
	651	SATSOP	326	0	326	0.13	2523	9422	29
	PMU SUB-TOTAL			754	0	754	0.15	5028	24858	33
P64	621	OLYMPIC	160	0	160	0.07	2434	11428	71
	624	COYLE	176	8	184	0.10	1794	6817	37
	627	KITSAP	105	4	109	0.14	799	3832	35
	633	MASON LAKE	139	0	139	0.09	1581	5822	42
	PMU SUB-TOTAL			580	12	592	0.10	5721	27899	47
P65	607	SOLEDUCK	29	0	29	0.03	835	2919	101
	615	CLEARWATER	40	0	40	0.06	675	2755	69
	618	MATHENY	0	0	0	0.00	79	247	.
	636	SKOKOMISH	156	0	156	0.09	1812	7389	47
	638	QUINULT RIDGE	29	0	29	0.15	197	643	22
	PMU SUB-TOTAL			254	0	254	0.08	3358	13954	55
P66	601	HOKO	25	0	25	0.07	373	1560	62
	602	DICKEY	72	0	72	0.09	782	3103	43
	603	PYSHT	154	33	187	0.11	1723	7010	37
	612	GOODMAN	13	0	13	0.04	338	1057	81
	PMU SUB-TOTAL			264	33	297	0.12	2505	12729	43
REGIONAL TOTAL			3386	45	3431	0.16	21532	120788	35

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=6 SPECIES=DEER WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P61	658	NORTH RIVER	0	3	3	0.03	108	465	155
	660	MINOT PEAK	6	17	23	0.11	218	829	36
	663	CAPITOL PEAK	21	27	48	0.13	374	2360	49
	672	FALL RIVER	9	20	29	0.11	272	863	30
	673	WILLIAMS CREEK	6	3	9	0.04	236	1176	131
	681	BEAR RIVER	12	7	19	0.05	374	2555	134
	684	LONG BEACH	3	3	6	0.14	44	254	42
	802	LONG ISLAND	3	0	3	0.06	49	305	102
	PMU SUB-TOTAL			60	80	140	0.11	1279	8806	63
P62	666	DESCHUTES	9	14	23	0.11	216	1335	58
	667	SKOOKUMCHUCK	27	71	98	0.12	826	4185	43
	PMU SUB-TOTAL			36	85	121	0.13	954	5520	46
P63	642	COPALIS	3	3	6	0.07	87	537	90
	648	WYNOOCHEE	12	17	29	0.10	305	2528	87
	651	SATSOP	3	0	3	0.02	138	611	204
	PMU SUB-TOTAL			18	20	38	0.09	443	3677	97
P64	621	OLYMPIC	37	17	54	0.19	285	1578	29
	624	COYLE	15	47	62	0.18	344	2430	39
	627	KITSAP	43	27	70	0.14	502	3471	50
	633	MASON LAKE	9	14	23	0.17	138	884	38
	PMU SUB-TOTAL			104	105	209	0.21	1013	8363	40
P65	607	SOLEDUCK	0	0	0	0.00	49	130	.
	615	CLEARWATER	0	0	0	0.00	98	252	.
	618	MATHENY	0	0	0	0.00	33	287	.
	636	SKOKOMISH	0	0	0	0.00	128	548	.
	638	QUINULT RIDGE	0	0	0	0.00	54	261	.
	PMU SUB-TOTAL			0	0	0	0.00	334	1478
P66	601	HOKO	0	0	0	0.00	39	158	.
	602	DICKEY	0	0	0	0.00	30	61	.
	603	PYSHT	24	74	98	0.42	236	1174	12
	612	GOODMAN	0	0	0	0.00	54	149	.
	PMU SUB-TOTAL			24	74	98	0.36	275	1542	16
REGIONAL TOTAL			242	364	606	0.17	3669	29386	48

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=6 SPECIES=DEER WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P61	672	FALL RIVER	0	0	0	0.00	152	386	.
	684	LONG BEACH	4	0	4	0.25	16	90	23
	PMU SUB-TOTAL		4	0	4	0.02	169	476	119
P62	666	DESCHUTES	24	42	66	0.17	396	1767	27
	PMU SUB-TOTAL		24	42	66	0.17	396	1767	27
P63	651	SATSOP	7	0	7	0.03	260	1163	166
	PMU SUB-TOTAL		7	0	7	0.03	260	1163	166
P64	624	COYLE	9	0	9	0.14	63	110	12
	627	KITSAP	2	0	2	.	.	.	.
	633	MASON LAKE	4	0	4	0.04	99	260	65
	PMU SUB-TOTAL		15	0	15	0.11	138	370	25
P66	602	DICKEY	2	0	2	0.02	81	241	121
	603	PYSHT	16	25	41	0.22	186	746	18
	612	GOODMAN	0	0	0	0.00	24	47	.
	PMU SUB-TOTAL		18	25	43	0.18	235	1034	24
REGIONAL TOTAL			68	67	135	0.13	1027	4810	36

WASHINGTON
STATEWIDE ELK HARVEST STATISTICS
FOR THE 1998 HUNTING SEASON

1998 ELK SEASON GRAND TOTALS	MODERN FIREARM	MODERN OR MUZZLELOADER	ARCHERY	MUZZLELOADER	UNKNOWN WEAPON	STATE TOTAL
GENERAL ELK SEASON KILL	2,451	0	1,034	821	0	4,306
SPECIAL PERMIT SEASON KILL	227	1,026	44	201	54	1,552
ALL SEASONS GRAND TOTALS	2,678	1,026	1,078	1,022	54	5,858

STATEWIDE GENERAL SEASON ELK HARVEST STATISTICS
FOR THE 1998 HUNTING SEASON

GENERAL ELK HUNTING SEASONS	ELK TAGS PURCHASED	ELK * HUNTERS	HUNTER DAYS	ANTLERED	ANTLERLESS	TOTAL HARVEST	HUNTER SUCCESS
MODERN FIREARM	50,507	47,942	256,117	2,138	313	2,451	5.1%
ARCHERY	12,710	12,374	95,154	321	713	1,034	8.4%
MUZZLELOADER	10,535	10,000	55,291	435	386	821	8.2%
GENERAL SEASON TOTALS	73,752	70,316	406,562	2,894	1,412	4,306	6.1%

* CALCULATED BY MULTIPLYING THE NUMBER OF ELK TAGS SOLD BY THE PERCENT OF TAG BUYERS THAT ACTUALLY HUNTED.

1998 GENERAL ELK HUNTING SEASON
BY REGION

REGION	MODERN FIREARM		ARCHERY		MUZZLELOADER		TOTAL HARVEST	HUNTER SUCCESS	TOTAL HUNTERS	HUNTER DAYS	DAYS/ KILL
	ANTLERED	ANTLERLESS	ANTLERED	ANTLERLESS	ANTLERED	ANTLERLESS					
1	132	47	6	21	0	0	206	2.2%	9,189	36,594	177.6
3	880	23	80	267	254	225	1,729	5.0%	36,168	164,785	95.3
4	86	0	27	50	27	62	252	5.8%	4,317	21,113	83.8
5	812	243	147	312	125	93	1,732	5.1%	33,983	154,069	89.0
6	228	0	61	63	29	6	387	5.4%	7,210	30,001	77.5
TOTALS	2,138	313	321	713	435	386	4,306	6.1%	70,316	406,562	94.4

STATEWIDE SPECIAL PERMIT ELK SEASON HARVEST STATISTICS
FOR THE 1998 HUNTING SEASON

SPECIAL PERMIT ELK HUNTING SEASONS	PERMITS ISSUED	PERMIT * HUNTERS	ANTLERED	ANTLERLESS	TOTAL HARVEST	HUNTER SUCCESS
ELK AUCTION PERMIT	1	1	1	0	1	100.0%
ELK RAFFLE PERMIT	1	.	.	.	.	0.0%
MODERN FIREARM	582	462	225	2	227	49.1%
MODERN OR MUZZLELOADER	3,525	2,623	100	926	1,026	39.1%
ARCHERY	506	323	33	11	44	13.6%
MUZZLELOADER	683	501	72	129	201	40.1%
UNKNOWN WEAPON USED	105	83	27	26	53	63.9%
PERMIT SEASON TOTALS	5,403	3,993	458	1,094	1,552	38.9%

* CALCULATED FROM SPECIAL PERMIT HUNTING ACTIVITY REPORTS. THE PERMIT HUNTER NUMBER IS THE NUMBER OF THOSE REPORTING THAT THEY HUNTED THE SPECIAL PERMIT HUNT. SOME HUNTED THE GENERAL SEASON AND SOME REPORTED NOT HUNTING AT ALL.

**WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998 SPECIAL HUNTING PERMIT DRAWINGS**

ELK

Hunt Choice	Elk Bull Permits Modern Firearm Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2001	Blue Creek A	3	3	670	3	0	0	0	34	618
2002	Watershed A	50	50	1,229	36	10	2	2	33	1,118
2003	Dayton A	5	5	1,091	5	0	0	0	43	1,037
2004	Tucannon A	3	3	987	3	0	0	0	45	921
2005	Wenaha A	6	6	971	6	0	0	0	36	915
2006	Mountain View A	5	5	471	3	0	2	0	26	432
2007	Peola A	2	2	201	1	1	0	0	17	178
2008	Couse	1	1	154	0	1	0	0	12	141
2009	Grande Ronde A	1	1	94	0	0	0	1	8	85
2010	Naneum A	19	19	1,320	19	0	0	0	117	1,170
2011	Quilomene A	10	10	1,205	10	0	0	0	120	1,068
2012	Peaches Ridge A	88	88	1,823	61	24	3	0	320	1,403
2013	Observatory A	52	52	1,707	52	0	0	0	329	1,314
2014	Goose Prairie A	41	41	1,321	37	4	0	0	228	1,050
2015	Bethel A	30	30	1,285	30	0	0	0	203	1,046
2016	Rimrock A	63	63	1,226	50	4	5	4	213	944
2017	Cowiche A	11	11	688	11	0	0	0	120	555
2018	Margaret A	14	14	3,526	14	0	0	0	305	3,169
2019	Toutle A	117	117	3,837	56	57	3	1	252	3,421
2020	Dickey A	46	46	551	24	6	9	7	14	489
2021	Olympic A	14	14	509	9	5	0	0	42	446

Hunt Choice	Elk Permits Modern Firearm/Muzzleloader Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2022	Northeast	80	80	643	79	1	0	0	181	378
2023	Mica, Cheney	250	250	486	159	84	6	1	37	194
2024	Wenaha B	3	3	304	0	1	2	0	21	278
2025	Peola B	25	25	170	5	9	3	8	18	123
2026	Wenatchee Mtns.	18	18	580	17	1	0	0	82	480
2027	Shushuskin A	50	50	427	37	5	4	4	65	300
2028	Malaga A	75	75	875	56	5	14	0	92	694
2029	Malaga B	75	75	873	23	26	20	6	92	697
2030	Malaga C	75	75	1,073	42	13	17	3	132	850
2031	Peshastin A	25	25	336	13	4	1	7	34	263
2032	Peshastin B	25	25	534	11	6	6	2	73	428
2033	Taneum	150	150	1,423	99	36	14	1	275	976
2034	Manastash A	300	300	2,336	218	43	32	7	444	1,563
2035	Umtanum	350	350	2,243	224	67	45	14	409	1,467
2036	Little Naches A	250	250	2,048	160	39	34	17	405	1,378
2037	Little Naches B	19	19	1,420	19	0	0	0	287	1,104
2038	Nile	75	75	1,248	59	12	3	1	324	835
2039	Bumping	300	300	2,001	190	51	45	14	433	1,251
2040	Bethel B	100	100	1,710	73	13	8	6	506	1,090
2041	Rimrock B	350	350	1,875	218	68	33	31	357	1,154
2042	Cowiche B	200	200	1,177	145	30	14	11	220	742
2043	Willapa Hills	100	100	1,878	67	13	10	10	163	1,602
2044	Packwood	25	25	814	15	6	1	3	62	719
2045	Winston B	30	30	1,201	15	7	5	3	92	1,065
2046	Margaret B	20	20	1,508	7	7	6	0	138	1,334
2047	Ryderwood	75	75	1,754	52	8	10	5	177	1,480
2048	Coweeman B	50	50	1,873	28	6	12	4	204	1,594
2049	Toutle B	45	45	2,610	18	12	14	1	233	2,298
2050	Marble	60	60	1,625	32	5	7	16	134	1,417
2051	Carlton	5	5	414	3	2	0	0	24	377
2052	West Goat Rocks	5	5	651	5	0	0	0	48	588
2053	Mt. Adams	5	5	784	5	0	0	0	62	705
2054	Lewis River B	75	75	1,628	52	10	4	9	107	1,433
2055	Siouxon	50	50	1,226	40	7	3	0	104	1,062
2056	Minot Peak	10	10	317	6	2	2	0	30	274
2057	Williams Creek	50	50	1,005	48	2	0	0	49	902
2058	Curtis	50	50	444	13	11	14	12	41	347
2059	Boistfort A	50	50	775	22	16	8	4	90	625
2060	East Valley	25	25	376	11	7	6	1	27	322

Hunt Choice	Elk Bull Permits Muzzleloader Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2061	Blue Creek B	1	1	63	1	0	0	0	37	24
2062	Dayton B	1	1	51	0	1	0	0	19	30
2063	Tucannon B	1	1	54	1	0	0	0	17	36
2064	Wenaha C	2	2	52	1	1	0	0	14	36
2065	Mountain View B	1	1	43	1	0	0	0	23	19
2066	Peola C	1	1	24	1	0	0	0	14	9
2067	Couse B	1	1	53	1	0	0	0	40	12
2068	Grande Ronde B	1	1	13	0	1	0	0	5	7
2069	Naneum C	2	2	123	0	2	0	0	20	101
2070	Quilomene C	4	4	116	4	0	0	0	18	94
2071	Peaches Ridge B	20	20	832	17	3	0	0	113	693
2072	Observatory B	19	19	581	9	7	3	0	85	473
2073	Goose Prairie B	5	5	454	4	1	0	0	45	400

**WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998 SPECIAL HUNTING PERMIT DRAWINGS**

ELK

Hunt Choice	Elk Bull Permits Muzzleloader Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2074	Bethel C	3	3	255	2	0	0	1	33	217
2075	Rimrock C	15	15	480	10	4	1	0	51	408
2076	Cowiche C	3	3	319	3	0	0	0	50	266
2077	Margaret C	3	3	748	3	0	0	0	126	610
2078	Toutle C	20	20	855	9	11	0	0	160	660
2079	Dickey B	8	8	160	5	1	1	1	16	136
2080	Olympic B	2	2	146	2	0	0	0	20	123

Hunt Choice	Elk Permits Muzzleloader Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2081	Blue Creek C	50	50	195	47	2	0	1	89	51
2082	Peola D	50	50	97	23	15	10	2	41	2
2083	Couse C	50	50	99	32	11	7	0	45	0
2084	Couse D	50	50	169	24	20	5	1	109	10
2085	Couse E	50	50	145	9	21	13	7	88	3
2086	Stella	100	100	547	65	17	8	10	77	364
2087	Boisfort B	50	50	337	33	5	8	4	67	215
2088	Yale	75	75	677	55	2	15	3	90	507
2089	Toledo	75	75	415	28	13	20	14	64	266
2090	North River	20	20	207	16	3	1	0	34	153

Hunt Choice	Elk Bull Permits Archery Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2091	Blue Creek D	2	2	91	2	0	0	0	5	82
2092	Dayton C	3	3	136	2	1	0	0	7	126
2093	Tucannon C	1	1	127	1	0	0	0	9	117
2094	Wenaha D	8	8	165	5	1	2	0	6	151
2095	Mountain View C	5	5	88	5	0	0	0	2	81
2096	Peola E	2	2	33	1	1	0	0	5	26
2097	Couse F	1	1	18	1	0	0	0	2	15
2098	Grande Ronde C	1	1	9	1	0	0	0	2	6
2099	Naneum D	77	77	406	77	0	0	0	20	307
2100	Quilomene D	23	23	179	15	8	0	0	17	139
2101	Peaches Ridge C	53	53	557	52	1	0	0	88	413
2102	Observatory C	26	26	340	17	6	3	0	64	249
2103	Goose Prairie C	29	29	569	29	0	0	0	112	420
2104	Bethel D	48	48	367	17	15	6	10	80	231
2105	Rimrock D	82	82	407	65	6	7	4	51	266
2106	Cowiche D	5	5	181	4	0	1	0	41	130
2107	Margaret D	6	6	1,156	6	0	0	0	128	1,016
2108	Toutle D	89	89	1,056	40	47	1	1	50	912
2109	Dickey C	39	39	276	3	4	23	9	32	196
2110	Olympic C	6	6	323	5	1	0	0	66	242

Hunt Choice	Elk Permits Advanced Hunter Education Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2111	Margaret E	10	10	455	10	0	0	0	49	396
2112	Quinault Ridge	5	5	161	1	2	2	0	26	129
2113	South Bank A	5	5	28	1	1	0	3	4	19
2114	South Bank B	5	5	34	1	1	1	2	8	21
2115	Skookumchuck	2	2	93	0	0	2	0	12	79
2116	Cle Elum	50	30	37	18	5	0	7	2	5

Hunt Choice	Elk Permits Persons of Disability Only	Permit Quota	Permits Issued	Total # of Applications	Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice	Selected for Another Hunt	Not Selected For Elk
2117	Observatory	15	15	119	13	1	0	1	14	90
2118	Little Naches C	15	15	140	15	0	0	0	11	114
2119	Lone Butte	1	1	57	0	0	1	0	10	46
2120	Lone Butte	1	1	9	0	0	0	1	1	7
2121	Trout Creek Hill	1	1	18	1	0	0	0	1	16
2122	Eleven Mile Ridge	1	1	15	0	1	0	0	1	13
2123	Red Mountain	1	1	15	0	0	1	0	2	12
2124	Paradise Ridge	1	1	28	0	0	0	1	4	23
2125	Proverbial Creek	1	1	15	1	0	0	0	4	10
2126	Centralia Mine A	4	4	90	3	0	1	0	12	74
2127	Centralia Mine B	4	4	87	0	3	1	0	8	75
2128	South Bank C	3	3	23	0	2	0	1	0	20

STATEWIDE ELK PERMIT/APPS.	Permit Quota	Permits Issued
USER GROUP TYPE		
Elk Bull - Modern Firearm	581	581
Elk Permits - Modern Firearm/Muzzleloader	3,525	3,525
Elk Bull - Muzzleloader	113	113
Elk Permits - Muzzleloader	570	570
Elk Bull - Archery	506	506
Advanced Hunter Education Graduates	77	57
Persons of Disability	48	48
Elk Totals	5,420	5,400

Selected as 1st Choice	Selected as 2nd Choice	Selected as 3rd Choice	Selected as 4th Choice
430	112	24	15
2,286	635	403	201
74	32	5	2
332	109	87	42
348	91	43	24
31	9	5	12
33	7	4	4
3,534	995	571	300

Total Number of Elk Hunters Applying **28,865**

Washington Department of Fish and Wildlife

1998 Special Permit Hunting Activity for Elk

1998 Hunt Number	1998 Elk Bull Permits Modern Firearm Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2001	Blue Creek_A	3	3	100.0	3	1	0	1	33.3	7.3
2002	Watershed_A	50	37	74.0	35	12	2	14	40.0	5.3
2003	Dayton_A	6	6	100.0	6	5	0	5	83.3	5.8
2004	Tucannon_A	3	3	100.0	3	2	0	2	66.7	6.0
2005	Wenaha_A	6	5	83.3	4	4	0	4	100.0	5.8
2006	Mountain View_A	5	5	100.0	5	1	0	1	20.0	7.4
2007	Peola_A	2	2	100.0	2	2	0	2	100.0	2.0
2008	Couse	1	1	100.0	1	1	0	1	100.0	5.0
2009	Grande Ronde_A	1	1	100.0	1	1	0	1	100.0	3.0
2010	Naneum_A	19	17	89.5	17	8	0	8	47.1	7.2
2011	Quilomene_A	10	9	90.0	9	3	0	3	33.3	8.2
2012	Peaches Ridge_A	88	74	84.1	74	34	0	34	45.9	6.5
2013	Observatory_A	52	39	75.0	39	25	0	25	64.1	6.6
2014	Goose Prairie_A	41	34	82.9	34	14	0	14	41.2	7.2
2015	Bethel_A	30	23	76.7	23	11	0	11	47.8	7.0
2016	Rimrock_A	63	45	71.4	41	11	0	11	26.8	6.5
2017	Cowiche_A	11	11	100.0	11	8	0	8	72.7	7.1
2018	Margaret_A	14	12	85.7	12	12	0	12	100.0	2.7
2019	Toutle_A	117	104	88.9	102	57	0	57	55.9	6.1
2020	Dickey_A	46	33	71.7	31	8	0	8	25.8	6.5
2021	Olympic_A	14	11	78.6	9	5	0	5	55.6	2.9

1998 Hunt Number	1998 Elk Permits Modern Firearm/Muzzleloader Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2022	Northeast	80	65	81.3	61	1	12	13	21.3	4.3
2023	Mica, Cheney	250	198	79.2	175	0	14	14	8.0	6.5
2024	Wenaha_B	3	3	100.0	3	2	0	2	66.7	2.7
2025	Peola_B	25	18	72.0	18	0	3	3	16.7	3.9
2026	Wenatchee Mtns.	18	13	72.2	12	7	0	7	58.3	4.8
2027	Shushuskin	50	40	80.0	34	0	9	9	26.5	5.6
2028	Malaga_A	75	66	88.0	65	20	22	42	64.6	6.4
2029	Malaga_B	75	57	76.0	55	19	6	25	45.5	6.4
2030	Malaga_C	75	63	84.0	59	10	7	17	28.8	9.3
2031	Peshastin_A	25	24	96.0	22	0	10	10	45.5	5.1
2032	Peshastin_B	25	16	64.0	12	2	2	4	33.3	12.5
2033	Taneum	150	123	82.0	113	1	44	45	39.8	3.4
2034	Manastash_A	300	241	80.3	230	1	92	93	40.4	3.7
2035	Umtanum	350	268	76.6	258	2	102	104	40.3	3.4
2036	Little Naches_A	250	195	78.0	179	2	62	64	35.8	3.8
2037	Little Naches_B	19	16	84.2	16	14	0	14	87.5	3.2
2038	Nile	75	58	77.3	54	1	19	20	37.0	3.6
2039	Bumping	300	219	73.0	208	0	52	52	25.0	4.0
2040	Bethel_B	100	77	77.0	75	2	31	33	44.0	3.2
2041	Rimrock_B	350	253	72.3	235	1	79	80	34.0	3.6
2042	Cowiche_B	200	137	68.5	128	2	67	69	53.9	3.2
2043	Willapa Hills	100	84	84.0	78	2	32	34	43.6	3.4
2044	Packwood	25	20	80.0	20	0	7	7	35.0	3.6
2045	Winston_B	30	25	83.3	24	0	8	8	33.3	3.8
2046	Margaret_B	20	19	95.0	19	0	18	18	94.7	2.6
2047	Ryderwood	75	67	89.3	64	1	31	32	50.0	3.5
2048	Coweeman_B	50	48	96.0	45	0	34	34	75.6	3.0
2049	Toutle_B	45	43	95.6	41	0	27	27	65.9	2.9
2050	Marble	60	54	90.0	50	0	30	30	60.0	3.1
2051	Carlton	5	5	100.0	5	3	0	3	60.0	8.2
2052	West Goat Rocks	5	5	100.0	5	4	0	4	80.0	4.6
2053	Mt. Adams	5	5	100.0	5	2	0	2	40.0	4.4
2054	Lewis River_B	75	64	85.3	61	1	25	26	42.6	3.3
2055	Siouxon	50	45	90.0	44	0	22	22	50.0	3.2
2056	Minot Peak	10	10	100.0	10	0	0	0	0.0	4.3
2057	Williams Creek	50	39	78.0	39	0	17	17	43.6	3.5
2058	Curtis	50	42	84.0	41	0	14	14	34.1	4.6
2059	Boisfort_A	50	45	90.0	43	0	17	17	39.5	7.1
2060	East Valley	25	19	76.0	17	0	11	11	64.7	4.8

1998 Hunt Number	1998 Elk Bull Permits Muzzleloader Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2061	Blue Creek_B	1	1	100.0	1	1	0	1	100.0	7.0
2062	Dayton_B	1	1	100.0	1	1	0	1	100.0	1.0
2063	Tucannon_B	1	1	100.0	1	1	0	1	100.0	4.0
2064	Wenaha_C	2	2	100.0	2	1	0	1	50.0	5.5
2065	Mountain View_B	1	1	100.0	1	0	0	0	0.0	4.0
2066	Peola_C	1	1	100.0	1	0	0	0	0.0	5.0
2067	Couse_B	1	1	100.0	1	0	0	0	0.0	10.0
2068	Grande Ronde_B	1	1	100.0	1	1	0	1	100.0	1.0
2069	Naneum_C	2	2	100.0	2	2	0	2	100.0	2.5
2070	Quilomene_C	4	4	100.0	4	4	0	4	100.0	1.3
2071	Peaches Ridge_B	20	18	90.0	17	9	0	9	52.9	5.4
2072	Observatory_B	19	14	73.7	14	6	0	6	42.9	5.3
2073	Goose Prairie_B	5	5	100.0	5	3	0	3	60.0	5.6
2074	Bethel_C	3	2	66.7	2	1	0	1	50.0	4.0
2075	Rimrock_C	15	14	93.3	14	8	0	8	57.1	5.1
2076	Cowiche_C	3	3	100.0	3	1	0	1	33.3	6.3
2077	Margaret_C	3	3	100.0	3	3	0	3	100.0	3.3
2078	Toutle_C	20	15	75.0	14	5	0	5	35.7	4.2
2079	Dickey_B	8	7	87.5	5	4	0	4	80.0	5.2
2080	Olympic_B	2	2	100.0	2	1	0	1	50.0	4.0

Washington Department of Fish and Wildlife

1998 Special Permit Hunting Activity for Elk

1998 Hunt Number	1998 Elk Permits Muzzleloaders Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2081	Blue Creek_C	50	38	76.0	36	0	24	24	66.7	10.4
2082	Peola_D	50	40	80.0	38	1	1	2	5.3	4.3
2083	Couse_C	50	35	70.0	32	0	9	9	28.1	3.8
2084	Couse_D	50	38	76.0	29	0	3	3	10.3	4.4
2085	Couse_E	50	36	72.0	30	0	5	5	16.7	3.8
2086	Stella	100	78	78.0	70	2	25	27	38.6	8.0
2087	Boisfort_B	50	40	80.0	34	0	9	9	26.5	7.1
2088	Yale	75	65	86.7	63	17	15	32	50.8	6.2
2089	Toledo	75	64	85.3	58	0	27	27	46.6	5.7
2090	North River	20	18	90.0	17	0	11	11	64.7	5.4

1998 Hunt Number	1998 Elk Bull Permits Archery Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2091	Blue Creek_D	2	2	100.0	2	1	0	1	50.0	13.0
2092	Dayton_C	3	4	133.3	4	0	0	0	0.0	11.5
2093	Tucannon_C	1	1	100.0	1	0	0	0	0.0	13.0
2094	Wenaha_D	8	7	87.5	7	4	0	4	57.1	7.4
2095	Mountain View_C	5	5	100.0	5	0	0	0	0.0	7.6
2096	Peola_E	2	2	100.0	2	1	0	1	50.0	7.0
2097	Couse_F	1	1	100.0	1	0	0	0	0.0	10.0
2098	Grande Ronde_C	1	0	0.0	0	0	0	0	0.0	0.0
2099	Naneum_D	77	61	79.2	59	2	3	5	8.5	7.8
2100	Quilomene_D	23	17	73.9	17	1	1	2	11.8	6.1
2101	Peaches Ridge_C	53	43	81.1	41	2	0	2	4.9	7.4
2102	Observatory_C	26	24	92.3	21	2	0	2	9.5	7.2
2103	Goose Prairie_C	29	21	72.4	20	1	1	2	10.0	7.3
2104	Bethel_D	48	40	83.3	36	5	1	6	16.7	6.7
2105	Rimrock_D	82	62	75.6	58	8	4	12	20.7	7.0
2106	Cowiche_D	5	4	80.0	4	0	0	0	0.0	8.8
2107	Margaret_D	6	6	100.0	3	1	0	1	33.3	9.3
2108	Toutle_D	89	73	82.0	26	2	0	2	7.7	4.7
2109	Dickey_C	39	29	74.4	10	1	1	2	20.0	4.4
2110	Olympic_C	6	6	100.0	6	2	0	2	33.3	5.5

1998 Hunt Number	1998 Elk Permits Advanced Hunter Education Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2111	Margaret_E	10	10	100.0	10	10	0	10	100.0	3.0
2112	Quinault Ridge	5	5	100.0	4	4	0	4	100.0	3.3
2113	South Bank_A	5	4	80.0	4	0	2	2	50.0	4.3
2114	South Bank_B	5	4	80.0	3	0	3	3	100.0	6.3
2115	Skookumchuck	2	2	100.0	2	2	0	2	100.0	5.5
2116	Cle Elum	30	28	93.3	22	0	4	4	18.2	4.5

1998 Hunt Number	1998 Elk Permits Persons of Disability Only	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success	Days Hunted Per Hunter
2117	Observatory	15	12	80.0	12	4	3	7	58.3	7.2
2118	Little Naches_C	15	13	86.7	12	7	4	11	91.7	3.3
2119	Lone Butte	1	1	100.0	1	0	1	1	100.0	0.0
2120	Lone Butte	1	1	100.0	1	0	0	0	0.0	1.0
2121	Trout Creek Hill	1	1	100.0	1	0	0	0	0.0	5.0
2122	Eleven Mile Ridge	1	1	100.0	1	0	1	1	100.0	5.0
2123	Red Mountain	1	1	100.0	1	0	0	0	0.0	2.0
2124	Paradise Ridge	1	0	0.0	0	0	0	0	0.0	0.0
2125	Proverbial Creek	1	1	100.0	1	0	1	1	100.0	2.0
2126	Centralia Mine_A	4	3	75.0	3	0	3	3	100.0	1.0
2127	Centralia Mine_B	4	4	100.0	4	0	4	4	100.0	0.8
2128	South Bank_C	3	2	66.7	1	0	0	0	0.0	6.0

1998 Elk Permits	Permits Issued	Reports Returned	Percent Returned	Hunters	Antlered Killed	Antlerless Killed	Total Killed	Hunter Success
Elk Auction Permit **	1	1	100.0	1	1	0	1	100.0%
Elk Raffle Permit	1	0	0.0	0	0	0	0	ERR
Modern Firearm Bull Permits	582	475	81.6	462	225	2	227	49.1%
Modern Firearm/Muzzleloader Permits	3,525	2,789	79.1	2,623	100	926	1,026	39.1%
Muzzleloader Bull Permits	113	98	86.7	94	52	0	52	55.3%
Muzzleloader Permits	570	452	79.3	407	20	129	149	36.6%
Archery Bull Permits	506	408	80.6	323	33	11	44	13.6%
Advanced Hunter Education Permits	57	53	93.0	45	16	9	25	55.6%
Persons of Disability Permits	48	40	83.3	38	11	17	28	73.7%
Elk Summary	5,403	4,316	79.9	3,993	458	1,094	1,552	38.9%

Special note: the hunt numbers shown above correspond to those in the 1998 Big Game Hunting Seasons and Rules pamphlet. The 1999 hunt numbers will be different. Please refer to the 1999 Big Game Hunting Seasons and Rules pamphlet when applying for special hunting permits for the 1999 hunting season.

** Note: the elk auction permit holder hunted in GMU 181 - Couse.

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=1 SPECIES=ELK -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P11	101	SHERMAN	0	5	5	0.05	100	169	34
	105	KELLY HILL	0	16	16	0.12	130	361	23
	109	THREEFORKS	0	7	7	0.01	484	1711	244
	113	SELKIRK	10	0	10	0.01	1212	5482	548
	117	49 DEGREES NORTH	9	0	9	0.01	726	2978	331
	121	HUCKLEBERRY	0	16	16	0.05	296	839	52
	124	MOUNT SPOKANE	13	5	18	0.03	590	2685	149
	133	ROOSEVELT	0	0	0	0.00	52	224	.
	136	HARRINGTON	0	5	5	0.07	76	319	64
	139	STEPTOE	0	0	0	0.00	23	55	.
	PMU SUB-TOTAL			32	54	86	0.04	3688	14825	172
P13	142	ALMOTA	2	0	2	0.05	42	63	32
	145	MAYVIEW	0	0	0	0.00	41	63	.
	149	PRESCOTT	0	0	0	0.00	92	252	.
	154	BLUE CREEK	6	0	6	0.01	415	1643	274
	162	DAYTON	34	14	48	0.04	1278	5225	109
	163	MARENGO	0	0	0	0.00	31	114	.
	166	TUCANNON	14	0	14	0.02	927	3409	244
	169	WENAHA	6	0	6	0.01	576	2281	380
	172	MOUNTAIN VIEW	12	0	12	0.03	423	1918	160
	175	LICK CREEK	28	0	28	0.03	1070	4823	172
	178	PEOLA	0	0	0	0.00	364	1228	.
	181	COUSE	4	0	4	0.02	196	723	181
	186	GRANDE RONDE	0	0	0	0.00	46	25	.
PMU SUB-TOTAL			106	14	120	0.02	5501	21769	181
REGIONAL TOTAL			138	68	206	0.02	9189	36594	178

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=1 SPECIES=ELK WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P11	101	SHERMAN	0	5	5	0.08	61	115	23
	105	KELLY HILL	0	16	16	0.21	76	154	10
	109	THREEFORKS	0	0	0	0.00	345	1293	.
	113	SELKIRK	8	0	8	0.01	1118	4699	587
	117	49 DEGREES NORTH	9	0	9	0.01	607	1998	222
	121	HUCKLEBERRY	0	16	16	0.06	262	704	44
	124	MOUNT SPOKANE	11	5	16	0.04	428	1677	105
	133	ROOSEVELT	0	0	0	0.00	21	115	.
	136	HARRINGTON	0	5	5	0.12	42	166	33
	PMU SUB-TOTAL			28	47	75	0.03	2305	10923	146
P13	142	ALMOTA	2	0	2	0.05	42	63	32
	145	MAYVIEW	0	0	0	0.00	41	63	.
	149	PRESCOTT	0	0	0	0.00	92	252	.
	154	BLUE CREEK	6	0	6	0.02	373	1540	257
	162	DAYTON	32	0	32	0.03	1201	4936	154
	163	MARENGO	0	0	0	0.00	31	114	.
	166	TUCANNON	14	0	14	0.02	842	3017	216
	169	WENAHA	6	0	6	0.01	525	2096	349
	172	MOUNTAIN VIEW	12	0	12	0.03	400	1881	157
	175	LICK CREEK	28	0	28	0.03	994	4431	158
	178	PEOLA	0	0	0	0.00	248	959	.
	181	COUSE	4	0	4	0.03	152	581	145
	186	GRANDE RONDE	0	0	0	0.00	46	25	.
PMU SUB-TOTAL			104	0	104	0.03	3907	19959	192
REGIONAL TOTAL			132	47	179	0.03	6226	30882	173

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=1 SPECIES=ELK WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL	
P11	101	SHERMAN	0	0	0	0.00	38	54	.	
	105	KELLY HILL	0	0	0	0.00	38	153	.	
	109	THREEFORKS	0	7	7	0.15	47	189	27	
	113	SELKIRK	2	0	2	0.02	94	783	391	
	117	49 DEGREES NORTH	0	0	0	0.00	119	981	.	
	121	HUCKLEBERRY	0	0	0	0.00	34	135	.	
	124	MOUNT SPOKANE	2	0	2	0.01	162	1008	504	
	PMU SUB-TOTAL			4	7	11	0.02	485	3302	300
	P13	154	BLUE CREEK	0	0	0	0.00	43	103	.
162		DAYTON	2	14	16	0.21	77	289	18	
166		TUCANNON	0	0	0	0.00	85	392	.	
169		WENAHA	0	0	0	0.00	51	186	.	
175		LICK CREEK	0	0	0	0.00	77	392	.	
178		PEOLA	0	0	0	0.00	64	131	.	
181		COUSE	0	0	0	0.00	13	69	.	
PMU SUB-TOTAL			2	14	16	0.06	289	1561	98	
REGIONAL TOTAL			6	21	27	0.03	774	4863	180	

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=1 SPECIES=ELK WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL	
P11	105	KELLY HILL	0	0	0	0.00	16	55	.	
	109	THREEFORKS	0	0	0	0.00	92	229	.	
	133	ROOSEVELT	0	0	0	0.00	31	109	.	
	136	HARRINGTON	0	0	0	0.00	34	153	.	
	139	STEPTOE	0	0	0	0.00	23	55	.	
	PMU SUB-TOTAL			0	0	0	0.00	196	600	.
	P13	172	MOUNTAIN VIEW	0	0	0	0.00	23	37	.
178		PEOLA	0	0	0	0.00	52	138	.	
181		COUSE	0	0	0	0.00	31	74	.	
PMU SUB-TOTAL			0	0	0	0.00	106	249	.	
REGIONAL TOTAL			0	0	0	0.00	301	849	.	

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=3 SPECIES=ELK -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P31	304	CHIWAWA	0	0	0	0.00	92	637	.
	306	SLIDE RIDGE	3	0	3	.	.	.	.
	308	ENTIAT	3	0	3	0.10	31	42	14
	316	SWAKANE	3	0	3	0.03	97	637	212
	PMU SUB-TOTAL			9	0	9	0.04	220	1316	146
P32	302	ALPINE	0	0	0	0.00	41	91	.
	314	MISSION	37	0	37	0.05	759	2980	81
	328	NANEUM	86	69	155	0.03	4436	23270	150
	329	QUILOMENE	111	33	144	0.07	2055	9522	66
	330	WEST BAR	0	2	2	0.12	17	33	16
	334	ELLENSBURG	0	2	2	0.01	351	1290	645
	335	TEANAWAY	182	90	272	0.09	2868	15062	55
	PMU SUB-TOTAL			416	196	612	0.05	10527	52247	85
P33	336	TANEUM	50	31	81	0.05	1748	7646	94
	340	MANASTASH	51	18	69	0.02	2826	13438	195
	342	UMTANUM	78	46	124	0.04	3260	13601	110
	346	LITTLE NACHES	89	89	178	0.04	4271	16762	94
	PMU SUB-TOTAL			268	184	452	0.04	12106	51446	114
P34	371	ALKALI	27	2	29	0.32	89	240	8
	372	KIONA	59	23	82	0.19	429	1562	19
	PMU SUB-TOTAL			86	25	111	0.26	518	1802	16
P35	352	NILE	42	44	86	0.03	2971	14107	164
	356	BUMPING	32	29	61	0.02	2592	11617	190
	360	BETHEL	174	4	178	0.08	2336	10566	59
	PMU SUB-TOTAL			248	77	325	0.04	7900	36290	112
P36	364	RIMROCK	45	13	58	0.03	1865	8604	148
	368	COWICHE	142	20	162	0.05	3033	13080	81
	PMU SUB-TOTAL			187	33	220	0.04	4898	21684	99
REGIONAL TOTAL			1214	515	1729	0.05	36168	164785	95

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=3 SPECIES=ELK WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P31	304	CHIWAWA	0	0	0	0.00	92	637	.
	306	SLIDE RIDGE	3	0	3	.	.	.	.
	316	SWAKANE	3	0	3	0.03	97	637	212
	PMU SUB-TOTAL		6	0	6	0.04	152	1274	212
P32	302	ALPINE	0	0	0	0.00	41	91	.
	314	MISSION	25	0	25	0.05	552	2318	93
	328	NANEUM	71	0	71	0.02	3078	14791	208
	329	QUILOMENE	100	0	100	0.05	1919	8794	88
	334	ELLENSBURG	0	0	0	0.00	193	699	.
	335	TEANAWAY	21	0	21	0.03	801	3458	165
	PMU SUB-TOTAL		217	0	217	0.04	5757	30152	139
P33	336	TANEUM	40	0	40	0.04	1077	4554	114
	340	MANASTASH	51	0	51	0.02	2554	12078	237
	342	UMTANUM	59	0	59	0.03	2195	9508	161
	346	LITTLE NACHES	80	0	80	0.04	2209	10181	127
	PMU SUB-TOTAL		230	0	230	0.03	7110	36321	158
P34	371	ALKALI	24	0	24	0.31	76	135	6
	372	KIONA	56	23	79	0.20	387	1391	18
	PMU SUB-TOTAL		80	23	103	0.23	442	1527	15
P35	352	NILE	26	0	26	0.01	1781	7664	295
	356	BUMPING	17	0	17	0.01	1712	7974	469
	360	BETHEL	169	0	169	0.08	2209	10112	60
	PMU SUB-TOTAL		212	0	212	0.04	4901	25750	121
P36	364	RIMROCK	40	0	40	0.03	1491	6477	162
	368	COWICHE	95	0	95	0.05	1919	8755	92
	PMU SUB-TOTAL		135	0	135	0.04	3217	15232	113
REGIONAL TOTAL			880	23	903	0.04	20128	110256	122

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=3 SPECIES=ELK WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P31	308	ENTIAT	3	0	3	.	.	.	.
	PMU SUB-TOTAL		3	0	3	.	.	.	.
P32	328	NANEUM	13	64	77	0.07	1139	7579	98
	329	QUILOMENE	11	33	44	0.32	136	728	17
	330	WEST BAR	0	2	2	0.12	17	33	16
	334	ELLENSBURG	0	0	0	0.00	66	343	.
	335	TEANAWAY	5	7	12	0.04	340	2289	191
	PMU SUB-TOTAL		29	106	135	0.08	1633	10972	81
P33	336	TANEUM	8	29	37	0.06	578	2754	74
	340	MANASTASH	0	18	18	0.07	272	1360	76
	346	LITTLE NACHES	0	2	2	0.00	408	1553	777
	PMU SUB-TOTAL		8	49	57	0.05	1097	5668	99
P34	371	ALKALI	3	2	5	0.39	13	104	21
	372	KIONA	3	0	3	0.07	43	171	57
	PMU SUB-TOTAL		6	2	8	0.16	51	275	34
P35	352	NILE	16	44	60	0.05	1190	6442	107
	356	BUMPING	8	29	37	0.07	519	2252	61
	360	BETHEL	5	4	9	0.07	128	453	50
	PMU SUB-TOTAL		29	77	106	0.07	1590	9148	86
P36	364	RIMROCK	5	13	18	0.05	374	2127	118
	368	COWICHE	0	20	20	0.06	349	1478	74
	PMU SUB-TOTAL		5	33	38	0.06	663	3604	95
REGIONAL TOTAL			80	267	347	0.08	4362	29667	85

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=3 SPECIES=ELK WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P31	308	ENTIAT	0	0	0	0.00	31	42	.
	PMU SUB-TOTAL		0	0	0	0.00	31	42	.
P32	314	MISSION	12	0	12	0.06	207	662	55
	328	NANEUM	2	5	7	0.03	218	900	129
	334	ELLENSBURG	0	2	2	0.02	92	247	123
	335	TEANAWAY	156	83	239	0.14	1727	9315	39
	PMU SUB-TOTAL		170	90	260	0.12	2203	11123	43
P33	336	TANEUM	2	2	4	0.04	93	337	84
	342	UMTANUM	19	46	65	0.06	1065	4093	63
	346	LITTLE NACHES	9	87	96	0.06	1655	5027	52
	PMU SUB-TOTAL		30	135	165	0.07	2389	9458	57
P35	356	BUMPING	7	0	7	0.02	362	1392	199
	PMU SUB-TOTAL		7	0	7	0.02	362	1392	199
P36	368	COWICHE	47	0	47	0.06	765	2847	61
	PMU SUB-TOTAL		47	0	47	0.06	765	2847	61
REGIONAL TOTAL			254	225	479	0.10	4705	24862	52

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=4 SPECIES=ELK -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P43	407	NORTH SOUND	0	0	0	0.00	54	78	.
	PMU SUB-TOTAL		0	0	0	0.00	54	78	.
P44	454	ISSAQUAH	33	46	79	0.09	919	5125	65
	484	PUYALLUP	14	0	14	0.03	437	2136	153
	PMU SUB-TOTAL		47	46	93	0.06	1357	7261	78
P45	418	NOOKSACK	6	30	36	0.20	178	1461	41
	437	SAUK	0	0	0	0.00	114	970	.
	PMU SUB-TOTAL		6	30	36	0.10	293	2431	68
P46	448	STILLAGUAM- ISH	0	0	0	0.00	40	51	.
	PMU SUB-TOTAL		0	0	0	0.00	40	51	.
P47	460	SNOQUALMIE	14	11	25	0.04	584	2856	114
	PMU SUB-TOTAL		14	11	25	0.04	584	2856	114
P48	466	STAMPEDE	8	22	30	0.11	267	1405	47
	472	WHITE RIVER	48	0	48	0.04	1074	4624	96
	478	MASHEL	17	3	20	0.03	577	2109	105
	490	CEDAR RIVER	0	0	0	0.00	72	295	.
	PMU SUB-TOTAL		73	25	98	0.05	1989	8434	86
REGIONAL TOTAL			140	112	252	0.06	4317	21113	84

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=4 SPECIES=ELK WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P43	407	NORTH SOUND	0	0	0	0.00	42	17	.
	PMU SUB-TOTAL		0	0	0	0.00	42	17	.
P44	454	ISSAQUAH	10	0	10	0.08	122	265	26
	484	PUYALLUP	3	0	3	0.05	55	104	35
	PMU SUB-TOTAL		13	0	13	0.08	165	368	28
P45	418	NOOKSACK	3	0	3	0.05	55	366	122
	437	SAUK	0	0	0	0.00	14	99	.
	PMU SUB-TOTAL		3	0	3	0.05	55	465	155
P46	448	STILLAGUAM- ISH	0	0	0	0.00	31	25	.
	PMU SUB-TOTAL		0	0	0	0.00	31	25	.
P47	460	SNOQUALMIE	14	0	14	0.04	359	1506	108
	PMU SUB-TOTAL		14	0	14	0.04	359	1506	108
P48	466	STAMPEDE	0	0	0	0.00	97	482	.
	472	WHITE RIVER	45	0	45	0.05	870	3741	83
	478	MASHEL	11	0	11	0.03	331	1186	108
	490	CEDAR RIVER	0	0	0	0.00	46	248	.
	PMU SUB-TOTAL		56	0	56	0.04	1344	5657	101
REGIONAL TOTAL			86	0	86	0.05	1891	8038	93

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=4 SPECIES=ELK WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P43	407	NORTH SOUND	0	0	0	0.00	13	62	.
	PMU SUB-TOTAL		0	0	0	0.00	13	62	.
P44	454	ISSAQUAH	8	11	19	0.06	332	2307	121
	484	PUYALLUP	5	0	5	0.02	217	1136	227
	PMU SUB-TOTAL		13	11	24	0.05	493	3444	144
P45	418	NOOKSACK	0	6	6	0.64	9	136	23
	437	SAUK	0	0	0	0.00	38	263	.
	PMU SUB-TOTAL		0	6	6	0.16	38	400	67
P46	448	STILLAGUAM- ISH	0	0	0	0.00	9	26	.
	PMU SUB-TOTAL		0	0	0	0.00	9	26	.
P47	460	SNOQUALMIE	0	11	11	0.09	122	994	90
	PMU SUB-TOTAL		0	11	11	0.09	122	994	90
P48	466	STAMPEDE	8	22	30	0.18	170	923	31
	472	WHITE RIVER	3	0	3	0.01	204	883	294
	478	MASHEL	3	0	3	0.02	132	636	212
	490	CEDAR RIVER	0	0	0	0.00	26	48	.
	PMU SUB-TOTAL		14	22	36	0.07	510	2490	69
REGIONAL TOTAL			27	50	77	0.07	1029	7416	96

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=4 SPECIES=ELK WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P44	454	ISSAQUAH	15	35	50	0.11	465	2553	51
	484	PUYALLUP	6	0	6	0.04	165	896	149
	PMU SUB-TOTAL		21	35	56	0.10	569	3449	62
P45	418	NOOKSACK	3	24	27	0.24	114	958	35
	437	SAUK	0	0	0	0.00	62	608	.
	PMU SUB-TOTAL		3	24	27	0.15	176	1566	58
P47	460	SNOQUALMIE	0	0	0	0.00	103	357	.
	PMU SUB-TOTAL		0	0	0	0.00	103	357	.
P48	478	MASHEL	3	3	6	0.05	114	287	48
	PMU SUB-TOTAL		3	3	6	0.05	114	287	48
REGIONAL TOTAL			27	62	89	0.10	889	5659	64

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=5 SPECIES=ELK -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P51	578	WEST KLIKKITAT	68	138	206	0.10	1995	7758	38
	582	EAST KLIKKITAT	3	0	3	0.10	31	23	8
	588	GRAYBACK	12	28	40	0.10	413	1292	32
	PMU SUB-TOTAL			83	166	249	0.10	2438	9073	36
P52	564	BATTLE GROUND	11	3	14	0.05	263	795	57
	568	WASHOUGAL	24	23	47	0.07	637	2144	46
	574	WIND RIVER	73	98	171	0.09	1806	6766	40
	PMU SUB-TOTAL			108	124	232	0.07	2706	9705	42
P53	558	MARBLE	122	30	152	0.05	3011	13698	90
	PMU SUB-TOTAL			122	30	152	0.05	3011	13698	90
P54	516	PACKWOOD	84	6	90	0.05	1838	7492	83
	560	LEWIS RIVER	195	41	236	0.06	4238	20317	86
	572	SIOUXON	127	19	146	0.05	2696	12712	87
	PMU SUB-TOTAL			406	66	472	0.05	8771	40521	86
P55	510	STORMKING	5	0	5	0.03	167	370	74
	513	SOUTH RAINIER	30	17	47	0.06	810	3252	69
	PMU SUB-TOTAL			35	17	52	0.04	977	3622	70
P56	505	MOSSYROCK	25	52	77	0.05	1409	6384	83
	520	WINSTON	88	72	160	0.04	3739	19609	123
	550	COWEEMAN	33	11	44	0.02	2462	11610	264
	PMU SUB-TOTAL			146	135	281	0.04	7610	37603	134
P57	501	LINCOLN	6	13	19	0.02	1101	4447	234
	504	STELLA	4	3	7	0.01	555	3380	483
	506	WILLAPA HILLS	75	50	125	0.04	3241	15580	125
	530	RYDERWOOD	99	44	143	0.04	3573	16437	115
	PMU SUB-TOTAL			184	110	294	0.03	8470	39844	136
REGIONAL TOTAL			1084	648	1732	0.05	33983	154069	89

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=5 SPECIES=ELK WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P51	578	WEST KLUCKITAT	48	108	156	0.14	1132	3737	24
	582	EAST KLUCKITAT	3	0	3	0.10	31	23	8
	588	GRAYBACK	3	28	31	0.12	262	647	21
	PMU SUB-TOTAL			54	136	190	0.14	1339	4407	23
P52	564	BATTLE GROUND	0	0	0	0.00	69	357	.
	568	WASHOUGAL	17	17	34	0.08	428	1454	43
	574	WIND RIVER	67	80	147	0.12	1229	4502	31
	PMU SUB-TOTAL			84	97	181	0.11	1684	6313	35
P53	558	MARBLE	106	0	106	0.05	2195	9930	94
	PMU SUB-TOTAL			106	0	106	0.05	2195	9930	94
P54	516	PACKWOOD	61	0	61	0.05	1353	5086	83
	560	LEWIS RIVER	172	0	172	0.05	3506	15234	89
	572	SIOUXON	113	0	113	0.05	2236	10123	90
	PMU SUB-TOTAL			346	0	346	0.06	6254	30443	88
P55	510	STORMKING	3	0	3	0.02	124	252	84
	513	SOUTH RAINIER	12	0	12	0.02	483	1799	150
	PMU SUB-TOTAL			15	0	15	0.03	566	2051	137
P56	505	MOSSYROCK	18	0	18	0.04	414	1413	78
	520	WINSTON	67	0	67	0.03	2098	9078	135
	550	COWEEMAN	26	0	26	0.02	1560	6935	267
	PMU SUB-TOTAL			111	0	111	0.03	3810	17426	157
P57	501	LINCOLN	2	10	12	0.02	483	1627	136
	504	STELLA	2	0	2	0.07	31	75	38
	506	WILLAPA HILLS	61	0	61	0.03	2085	9687	159
	530	RYDERWOOD	31	0	31	0.02	1491	6296	203
	PMU SUB-TOTAL			96	10	106	0.03	3824	17685	167
REGIONAL TOTAL			812	243	1055	0.06	16870	88255	84

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=5 SPECIES=ELK WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P51	578	WEST KLIKKITAT	2	0	2	0.04	57	291	146
	588	GRAYBACK	9	0	9	0.07	128	574	64
	PMU SUB-TOTAL		11	0	11	0.07	162	865	79
P52	564	BATTLE GROUND	4	0	4	0.07	57	181	45
	568	WASHOUGAL	0	0	0	0.00	94	460	.
	574	WIND RIVER	2	0	2	0.02	102	287	144
	PMU SUB-TOTAL		6	0	6	0.03	196	928	155
P53	558	MARBLE	16	30	46	0.06	816	3769	82
	PMU SUB-TOTAL		16	30	46	0.06	816	3769	82
P54	516	PACKWOOD	23	6	29	0.06	485	2406	83
	560	LEWIS RIVER	23	41	64	0.09	731	5083	79
	572	SIOUXON	14	19	33	0.07	459	2590	78
	PMU SUB-TOTAL		60	66	126	0.08	1599	10079	80
P55	510	STORMKING	2	0	2	0.05	43	118	59
	513	SOUTH RAINIER	4	17	21	0.13	162	790	38
	PMU SUB-TOTAL		6	17	23	0.12	196	908	39
P56	505	MOSSYROCK	0	19	19	0.05	374	1758	93
	520	WINSTON	21	72	93	0.06	1641	10531	113
	550	COWEEMAN	0	11	11	0.05	230	838	76
	PMU SUB-TOTAL		21	102	123	0.06	2032	13127	107
P57	501	LINCOLN	0	0	0	0.00	28	80	.
	504	STELLA	2	3	5	0.05	111	844	169
	506	WILLAPA HILLS	14	50	64	0.06	1156	5892	92
	530	RYDERWOOD	11	44	55	0.05	1131	6554	119
	PMU SUB-TOTAL		27	97	124	0.06	2117	13370	108
REGIONAL TOTAL			147	312	459	0.08	5731	43046	94

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=5 SPECIES=ELK WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P51	578	WEST KLUCKITAT	18	30	48	0.06	807	3730	78
	588	GRAYBACK	0	0	0	0.00	23	71	.
	PMU SUB-TOTAL		18	30	48	0.06	827	3801	79
P52	564	BATTLE GROUND	7	3	10	0.07	137	257	26
	568	WASHOUGAL	7	6	13	0.11	115	230	18
	574	WIND RIVER	4	18	22	0.05	476	1977	90
	PMU SUB-TOTAL		18	27	45	0.07	620	2464	55
P55	513	SOUTH RAINIER	14	0	14	0.08	165	664	47
	PMU SUB-TOTAL		14	0	14	0.08	165	664	47
P56	505	MOSSYROCK	7	33	40	0.06	620	3214	80
	550	COWEEMAN	7	0	7	0.01	672	3836	548
	PMU SUB-TOTAL		14	33	47	0.04	1293	7050	150
P57	501	LINCOLN	4	3	7	0.01	589	2740	391
	504	STELLA	0	0	0	0.00	414	2461	.
	530	RYDERWOOD	57	0	57	0.06	951	3588	63
	PMU SUB-TOTAL		61	3	64	0.04	1603	8789	137
REGIONAL TOTAL			125	93	218	0.06	3650	22769	104

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT
(ALL WEAPONS COMBINED)

----- REGION=6 SPECIES=ELK -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P61	658	NORTH RIVER	11	0	11	0.03	339	1250	114
	660	MINOT PEAK	16	3	19	0.07	254	719	38
	663	CAPITOL PEAK	0	2	2	0.02	104	514	257
	672	FALL RIVER	6	14	20	0.04	534	1943	97
	673	WILLIAMS CREEK	40	17	57	0.05	1253	5339	94
	681	BEAR RIVER	17	17	34	0.04	892	4469	131
	684	LONG BEACH	11	3	14	0.13	109	338	24
	802	LONG ISLAND	8	10	18	0.26	68	322	18
	PMU SUB-TOTAL			109	66	175	0.08	3554	14894	85
P62	667	SKOOKUMCHU- CK	14	3	17	0.04	398	2112	124
	PMU SUB-TOTAL			14	3	17	0.04	398	2112	124
P63	642	COPALIS	4	0	4	0.06	67	186	47
	648	WYNOOCHEE	47	0	47	0.08	578	2619	56
	651	SATSOP	17	0	17	0.07	231	815	48
	PMU SUB-TOTAL			68	0	68	0.07	876	3621	53
P64	624	COYLE	0	0	0	0.00	54	152	.
	633	MASON LAKE	5	0	5	.	.	.	.
	PMU SUB-TOTAL			5	0	5	0.00	54	152	30
P65	607	SOLEDUCK	16	0	16	0.04	366	1398	87
	615	CLEARWATER	35	0	35	0.05	766	3294	94
	618	MATHENY	7	0	7	0.03	239	1143	163
	638	QUINULT RIDGE	27	0	27	0.07	412	1650	61
	PMU SUB-TOTAL			85	0	85	0.05	1782	7485	88
P66	601	HOKO	8	0	8	0.08	107	421	53
	603	PYSHT	21	0	21	0.14	148	337	16
	612	GOODMAN	8	0	8	0.03	291	978	122
	PMU SUB-TOTAL			37	0	37	0.08	546	1737	47
REGIONAL TOTAL			318	69	387	0.05	7210	30001	76

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=6 SPECIES=ELK WEAPON=MODERN FIREARM -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P61	658	NORTH RIVER	11	0	11	0.04	262	1031	94
	660	MINOT PEAK	3	0	3	0.04	83	174	58
	663	CAPITOL PEAK	0	0	0	0.00	61	243	.
	672	FALL RIVER	6	0	6	0.02	318	845	141
	673	WILLIAMS CREEK	30	0	30	0.03	1049	4424	147
	681	BEAR RIVER	14	0	14	0.03	442	1783	127
	684	LONG BEACH	3	0	3	0.11	28	23	8
	PMU SUB-TOTAL			67	0	67	0.03	1960	8523	127
P62	667	SKOOKUMCHU- CK	14	0	14	0.05	262	969	69
	PMU SUB-TOTAL		14	0	14	0.05	262	969	69
P63	642	COPALIS	4	0	4	0.10	42	118	29
	648	WYNOOCHEE	39	0	39	0.09	442	1874	48
	651	SATSOP	17	0	17	0.09	184	760	45
	PMU SUB-TOTAL			60	0	60	0.10	580	2752	46
P64	624	COYLE	0	0	0	0.00	42	116	.
	633	MASON LAKE	5	0	5	.	.	.	.
	PMU SUB-TOTAL			5	0	5	0.11	42	116	23
P65	607	SOLEDUCK	6	0	6	0.03	221	759	126
	615	CLEARWATER	25	0	25	0.04	621	2617	105
	618	MATHENY	4	0	4	0.02	179	784	196
	638	QUINULT RIDGE	19	0	19	0.06	318	1163	61
	PMU SUB-TOTAL			54	0	54	0.05	1187	5322	99
P66	601	HOKO	5	0	5	0.12	41	222	44
	603	PYSHT	15	0	15	0.20	76	128	9
	612	GOODMAN	8	0	8	0.03	235	653	82
	PMU SUB-TOTAL			28	0	28	0.08	353	1003	36
REGIONAL TOTAL			228	0	228	0.06	4059	18686	82

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=6 SPECIES=ELK WEAPON=ARCHERY -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
P61	658	NORTH RIVER	0	0	0	0.00	77	220	.
	660	MINOT PEAK	5	0	5	0.07	68	300	60
	663	CAPITOL PEAK	0	2	2	0.05	43	271	135
	672	FALL RIVER	0	14	14	0.06	217	1098	78
	673	WILLIAMS CREEK	10	17	27	0.13	204	915	34
	681	BEAR RIVER	3	17	20	0.04	451	2686	134
	684	LONG BEACH	0	0	0	0.00	47	227	.
	802	LONG ISLAND	8	10	18	0.26	68	322	18
	PMU SUB-TOTAL			26	60	86	0.09	944	6037	70
P62	667	SKOOKUMCHUCK	0	3	3	0.02	136	1143	381
	PMU SUB-TOTAL			0	3	3	0.02	136	1143	381
P63	642	COPALIS	0	0	0	0.00	26	68	.
	648	WYNOOCHEE	8	0	8	0.06	136	746	93
	651	SATSOP	0	0	0	0.00	47	55	.
	PMU SUB-TOTAL			8	0	8	0.05	170	869	109
P64	624	COYLE	0	0	0	0.00	13	36	.
	PMU SUB-TOTAL			0	0	0	0.00	13	36
P65	615	CLEARWATER	10	0	10	0.07	145	677	68
	618	MATHENY	3	0	3	0.05	60	360	120
	638	QUINULT RIDGE	8	0	8	0.08	94	487	61
	PMU SUB-TOTAL			21	0	21	0.07	281	1523	73
P66	601	HOKO	3	0	3	0.09	34	158	53
	603	PYSHT	3	0	3	0.12	26	70	23
	612	GOODMAN	0	0	0	0.00	57	325	.
	PMU SUB-TOTAL			6	0	6	0.07	85	554	92
REGIONAL TOTAL			61	63	124	0.08	1539	10162	82

WASHINGTON BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
 TABLES ARE FOR EACH SPECIES, REGION, AND WEAPON USER GROUP

----- REGION=6 SPECIES=ELK WEAPON=MUZZLELOADER -----

PMU	GMU	UNIT NAME	ANTLERED HARVEST	ANTLERLESS HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/ KILL
P61	660	MINOT PEAK	8	3	11	0.11	103	245	22
	684	LONG BEACH	8	3	11	0.32	34	88	8
	PMU SUB-TOTAL		16	6	22	0.16	137	333	15
P65	607	SOLEDUCK	10	0	10	0.07	145	640	64
	PMU SUB-TOTAL		10	0	10	0.07	145	640	64
P66	601	HOKO	0	0	0	0.00	31	42	.
	603	PYSHT	3	0	3	0.07	46	139	46
	PMU SUB-TOTAL		3	0	3	0.04	69	180	60
REGIONAL TOTAL			29	6	35	0.10	359	1153	33

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

STATEWIDE

SPECIES = BLACK BEAR

BBMU	BLACK BEAR MANAGEMENT UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
1	COASTAL	131	90	221	0.05	4173	39252	178
2	PUGET SOUND	42	30	72	0.03	2193	15516	216
3	N CASCADES	192	91	283	0.10	2948	19439	69
4	S CASCADES	95	67	162	0.03	5112	45061	278
5	OKANOGAN	62	32	94	0.06	1514	6823	73
6	E CASCADES	230	109	339	0.06	5661	38557	114
7	NORTHEAST	347	180	527	0.10	5301	40687	77
8	BLUE MTNS	40	42	82	0.05	1566	10674	130
9	COLUMBIA BASIN	18	4	22	0.12	179	447	20
STATEWIDE TOTAL		1157	645	1802	0.09	20891	216456	120

A total of 23,775 black bear tags were sold for the 1998 hunting season. Approximately 88% of all tag buyers actually hunted bear. Black bear hunter success was 8.6% statewide. The GMU hunter numbers do not add up to the BBMU totals because many hunters hunt in more than one GMU during the year. The BBMU hunters do not add up to the statewide total because many hunters hunt in more than one BBMU during the year.

TIMBER DAMAGE CONTROL TAKE

SPECIES = BLACK BEAR

REGION	WDFW ADMINISTRATIVE REGION	MALE TAKE	FEMALE TAKE	UNKNOWN SEX	TOTAL TAKE
4	MILL CREEK	0	0	13	13
5	VANCOUVER	18	15	30	63
6	MONTESANO	15	3	43	61
WESTERN WASHINGTON TOTAL		33	18	86	137

Spring timber damage by black bear is controlled on an "as needed" basis. The figures above represent the bears taken during the season when black bears are most actively damaging trees.

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

BBMU=1

BLACK BEAR MANAGEMENT UNIT = COASTAL

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
501	LINCOLN	2	0	2	0.00	409	1814	907
504	STELLA	0	0	0	0.00	29	113	.
505	MOSSYROCK	4	2	6	0.02	248	1692	282
506	WILLAPA HILLS	0	10	10	0.03	364	2271	227
530	RYDERWOOD	2	4	6	0.01	517	2842	474
601	HOKO	2	0	2	0.01	136	1841	921
602	DICKEY	4	0	4	0.05	87	855	214
603	PYSHT	4	0	4	0.02	239	1931	483
607	SOLEDUCK	8	2	10	0.05	200	1129	113
612	GOODMAN	2	0	2	0.05	44	115	58
615	CLEARWATER	8	4	12	0.04	286	2917	243
618	MATHENY	4	0	4	0.03	132	954	239
621	OLYMPIC	17	8	25	0.06	445	3459	138
636	SKOKOMISH	19	2	21	0.06	342	2045	97
638	QUINULT RIDGE	8	4	12	0.08	143	799	67
642	COPALIS	4	2	6	0.03	172	1088	181
648	WYNOOCHEE	17	6	23	0.03	718	3427	149
651	SATSOP	2	0	2	0.01	311	1225	613
658	NORTH RIVER	4	8	12	0.05	253	971	81
660	MINOT PEAK	2	2	4	0.01	284	830	208
663	CAPITOL PEAK	2	4	6	0.03	201	1458	243
672	FALL RIVER	4	12	16	0.04	379	1941	121
673	WILLIAMS CREEK	2	8	10	0.04	274	1629	163
681	BEAR RIVER	4	4	8	0.06	137	814	102
684	LONG BEACH	4	8	12	0.13	90	471	39
802	LONG ISLAND	2	0	2	0.02	124	623	312
BLACK BEAR MANAGEMENT UNIT TOTAL		131	90	221	0.05	4173	39252	178

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

----- BBMU=2 -----

BLACK BEAR MANAGEMENT UNIT = PUGET SOUND

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
407	NORTH SOUND	4	4	8	0.05	157	661	83
454	ISSAQUAH	14	6	20	0.03	628	4712	236
484	PUYALLUP	2	0	2	0.01	303	1451	726
624	COYLE	2	2	4	0.01	316	2314	578
627	KITSAP	10	6	16	0.07	229	2243	140
633	MASON LAKE	6	4	10	0.07	137	847	85
666	DESCHUTES	0	0	0	0.00	98	330	.
667	SKOOKUMCHUCK	4	8	12	0.02	544	2958	246
BLACK BEAR MANAGEMENT UNIT TOTAL		42	30	72	0.03	2193	15516	216

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

----- BBMU=3 -----

BLACK BEAR MANAGEMENT UNIT = N CASCADES

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
418	NOOKSACK	41	29	70	0.10	735	5197	74
426	DIABLO	2	4	6	0.05	115	324	54
437	SAUK	31	10	41	0.07	623	3386	83
448	STILLAGUAMISH	54	21	75	0.11	704	3860	51
450	CASCADE	27	4	31	0.16	189	633	20
460	SNOQUALMIE	37	23	60	0.06	941	6039	101
BLACK BEAR MANAGEMENT UNIT TOTAL		192	91	283	0.10	2948	19439	69

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

BBMU=4

BLACK BEAR MANAGEMENT UNIT = S CASCADES

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
466	STAMPEDE	4	2	6	0.02	304	3033	505
472	WHITE RIVER	21	8	29	0.04	790	6004	207
478	MASHEL	4	10	14	0.03	511	3434	245
485	GREEN RIVER	0	0	0	0.00	102	451	.
490	CEDAR RIVER	2	0	2	0.09	23	208	104
510	STORMKING	2	2	4	0.01	305	1602	400
513	SOUTH RAINIER	10	4	14	0.04	348	2083	149
516	PACKWOOD	10	6	16	0.03	640	4049	253
520	WINSTON	4	0	4	0.01	508	4245	1061
524	MARGARET	0	0	0	0.00	90	256	.
550	COWEEMAN	2	2	4	0.01	298	1681	420
556	TOUTLE	0	2	2	0.01	147	488	244
558	MARBLE	4	4	8	0.01	538	2975	372
560	LEWIS RIVER	2	19	21	0.03	802	5296	252
564	BATTLE GROUND	0	0	0	0.00	192	1082	.
568	WASHOUGAL	14	2	16	0.04	438	2266	142
572	SIOUXON	8	2	10	0.02	652	4095	409
574	WIND RIVER	8	4	12	0.03	432	1812	151
BLACK BEAR MANAGEMENT UNIT TOTAL		95	67	162	0.03	5112	45061	278

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

BBMU=5

BLACK BEAR MANAGEMENT UNIT = OKANOGAN

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
203	PASAYTEN	8	4	12	0.04	279	1286	107
215	SINLAHEKIN	10	8	18	0.06	292	1589	88
218	CHEWUCH	4	6	10	0.04	268	978	98
224	PEARRYGIN	2	0	2	0.03	72	238	119
231	GARDNER	6	2	8	0.06	125	360	45
233	POGUE	2	2	4	0.03	118	234	59
239	CHILLIWIST	2	2	4	0.03	130	691	173
242	ALTA	14	6	20	0.10	202	474	24
300	MANSON	14	2	16	0.05	293	972	61
BLACK BEAR MANAGEMENT UNIT TOTAL		62	32	94	0.06	1514	6823	73

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

BBMU=6

BLACK BEAR MANAGEMENT UNIT = E CASCADES

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
301	CLARK	12	10	22	0.22	102	361	16
302	ALPINE	12	4	16	0.05	313	905	57
304	CHIWAWA	29	14	43	0.08	513	1679	39
306	SLIDE RIDGE	6	2	8	0.07	119	387	48
308	ENTIAT	14	19	33	0.11	300	1384	42
314	MISSION	8	0	8	0.03	315	1665	208
316	SWAKANE	29	4	33	0.12	266	1040	32
328	NANEUM	6	4	10	0.02	448	2156	216
329	QUILMENE	0	2	2	0.02	109	420	210
334	ELLENSBURG	2	0	2	0.03	63	193	97
335	TEANAWAY	41	12	53	0.05	1160	6909	130
336	TANEUM	12	8	20	0.04	518	4082	204
340	MANASTASH	0	4	4	0.01	319	1571	393
342	UMTANUM	0	0	0	0.00	234	1070	.
346	LITTLE NACHES	12	2	14	0.02	570	3022	216
352	NILE	2	0	2	0.00	499	3275	1638
356	BUMPING	0	4	4	0.01	400	1508	377
360	BETHEL	2	2	4	0.02	266	1009	252
364	RIMROCK	6	6	12	0.04	306	1389	116
368	COWICHE	6	4	10	0.03	335	1365	136
578	WEST KLICKITAT	17	6	23	0.06	365	1949	85
582	EAST KLICKITAT	2	0	2	0.06	33	73	37
588	GRAYBACK	12	2	14	0.05	274	1145	82
BLACK BEAR MANAGEMENT UNIT TOTAL		230	109	339	0.06	5661	38557	114

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

BBMU=7

BLACK BEAR MANAGEMENT UNIT = NORTHEAST

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
101	SHERMAN	91	41	132	0.11	1227	7189	54
105	KELLY HILL	25	19	44	0.09	496	2450	56
109	THREE FORKS	62	12	74	0.10	710	3862	52
113	SELKIRK	54	33	87	0.09	1003	5947	68
117	49 DEGREES NORTH	37	17	54	0.05	1043	6464	120
121	HUCKLEBERRY	14	23	37	0.03	1230	7410	200
124	MOUNT SPOKANE	25	14	39	0.07	539	2905	74
127	MICA PEAK	4	4	8	0.04	191	1570	196
130	CHENEY	0	0	0	0.00	25	198	.
133	ROOSEVELT	8	0	8	0.04	181	803	100
204	OKANOGAN EAST	27	17	44	0.09	489	1889	43
BLACK BEAR MANAGEMENT UNIT TOTAL		347	180	527	0.10	5301	40687	77

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

BBMU=8

BLACK BEAR MANAGEMENT UNIT = BLUE MTNS

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
149	PRESCOTT	2	0	2	0.02	110	280	140
154	BLUE CREEK	12	10	22	0.04	510	2925	133
162	DAYTON	12	14	26	0.04	659	3346	129
163	MARENGO	0	0	0	0.00	34	149	.
166	TUCANNON	4	0	4	0.01	341	1313	328
169	WENAHA	0	4	4	0.02	169	677	169
172	MOUNTAIN VIEW	2	0	2	0.01	144	830	415
175	LICK CREEK	2	4	6	0.06	102	376	63
178	PEOLA	0	0	0	0.00	86	549	.
181	COUSE	4	2	6	0.15	39	85	14
186	GRANDE RONDE	2	8	10	0.28	36	143	14
BLACK BEAR MANAGEMENT UNIT TOTAL		40	42	82	0.05	1566	10674	130

WASHINGTON STATE BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
SUMMARIES FOR EACH BLACK BEAR MANAGEMENT UNIT (BBMU)

----- BBMU=9 -----

BLACK BEAR MANAGEMENT UNIT = COLUMBIA BASIN

GMU	UNIT NAME	MALE HARVEST	FEMALE HARVEST	TOTAL HARVEST	HUNTER SUCCESS	NO. HUNTERS	HUNTER DAYS	DAYS/KILL
136	HARRINGTON	2	0	2	0.05	44	79	39
139	STEPTOE	2	0	2	1.00	2	2	1
142	ALMOTA	0	0	0	0.00	22	26	.
248	BIGBEND	8	2	10	0.24	42	128	13
254	SAINT ANDREWS	0	2	2	0.07	28	40	20
260	FOSTER CREEK	4	0	4	0.07	57	146	37
266	BADGER	2	0	2	1.00	2	2	1
269	MOSES COULEE	0	0	0	0.00	19	28	.
BLACK BEAR MANAGEMENT UNIT TOTAL		18	4	22	0.12	179	447	20

1998 BIGHORN SHEEP HARVEST

BIGHORN SHEEP HUNTS		Permits	Applications Received	Hunter Reports	Reports Returned	Total Hunters	Hunter Success	Sheep Killed	Sheep Seen	Lambs Seen	3/4+ Curi Rams	Sheep Seen Per Hunter	Days Hunted	Average Days/Kill	Sheep Management Hunt
5100	Auction Permit	1	1	1	100.0%	1	100%	1	43	3	25	43	1	1.0	5100
5200	Raffle Permit Hunt	1	1,048	1	100.0%	1	100%	1	57	10	10	57	1	1.0	5200
5002	Vulcan Mountain	1	737	1	100.0%	1	100%	1	12	0	4	12	7	7.0	5002
5003	Tucannon River	1	589	1	100.0%	1	100%	1	58	7	6	58	3	3.0	5003
5004	Selah Butte	2	1,198	2	100.0%	2	100%	2	106	22	41	53	2	1.0	5004
5005	Umtanum	2	1,426	2	100.0%	2	100%	2	32	0	0	16	4	2.0	5005
5007	Cleman Mountain	2	1,231	2	100.0%	2	100%	2	60	3	9	30	3	1.5	5007
5010	Mount Hull	1	474	1	100.0%	1	100%	1	18	1	3	18	6	6.0	5010
5012	Lincoln Cliffs	1	451	1	100.0%	1	100%	1	60	23	8	60	14	14.0	5012
5013	Quilomene	1	951	1	100.0%	1	0%	0	25	2	2	25	15	0.0	5013
Grand Totals		13	2,360	13	100.0%	13	92%	12	471	71	108	36	56	4.7	

Note: Both the auction and raffle permit hunters hunted and killed sheep on Cleman Mountain.

1998 MOOSE HARVEST

MOOSE HUNTS		Permits	Applications Received	Hunter Reports	Reports Returned	Total Hunters	Hunter Success	MOOSE KILLED			Moose Seen	Cows Seen	Calves Seen	Moose Seen Per Hunter	Days Hunted	Average Days/Kill	Moose Management Hunt	
								Female	Male	Total								
8222	Raffle Permit Hunt	1	1,646	1	100.0%	1	100%	0	1	1								8222
8001	Selkirk Mountains	12	2,266	12	100.0%	12	75%	1	8	9	43	13	4	4	141	15.7	8001	
8002	Mount Spokane	10	1,998	10	100.0%	10	100%	2	8	10	79	30	11	8	39	3.9	8002	
8003	Mount Spokane (Youth)	4	249	4	100.0%	4	75%	3	0	3	24	12	2	6	12	4.0	8003	
8004	49 Degrees North	13	2,139	13	100.0%	13	100%	0	13	13	107	35	16	8	62	4.8	8004	
8005	Threeforks	3	1,373	3	100.0%	3	100%	0	3	3	4	1	0	1	8	2.7	8005	
8006	Hangman	1	289	1	100.0%	1	0%	0	0	0	3	2	1	3	8	0.0	8006	
Grand Totals		44	2,769	44	100.0%	44	86%	6	32	38	260	93	34	6	270	7.1		

Note: The raffle permit hunter hunted and killed a moose in GMU 117.

1998 MOUNTAIN GOAT HARVEST

MOUNTAIN GOAT HUNTS		Permits	Hunter Reports	Applications Received	Reports Returned	Total Hunters	Hunter Success	Goats Killed	Goats Seen	Kids Seen	% KIDS	Goats Seen Per Hunter	Days Hunted	Average Days/Kill	Goat Management Hunt
Any Legal Weapon															
6201	Mount Chopaka	1	1	287	100%	1	100%	1	6	0	0.0%	6.0	4	4.0	6201
6202	Methow	5	5	529	100%	5	60%	3	108	42	38.9%	21.6	26	8.7	6202
6306	Naches Pass	3	3	632	100%	3	100%	3	102	29	28.4%	34.0	9	3.0	6306
6307	Bumping River	2	2	593	100%	2	100%	2	29	3	10.3%	14.5	8	4.0	6307
6309	Tieton River	3	3	466	100%	3	100%	3	158	66	41.8%	52.7	8	2.7	6309
6310	Blazed Ridge	6	6	878	100%	6	100%	6	120	37	30.8%	20.0	16	2.7	6310
6311	Kachess Ridge	1	1	290	100%	1	100%	1	40	12	30.0%	40.0	10	10.0	6311
6408	East Ross Lake	5	4	339	80%	4	0%	0	21	4	19.0%	5.3	29	0.0	6408
6409	Jack Mountain	2	1	218	50%	1	0%	0	2	0	0.0%	2.0	4	0.0	6409
6432	Foss River	5	4	388	80%	4	75%	3	6	1	16.7%	1.5	23	7.7	6432
6434	Pratt River	5	5	400	100%	5	0%	0	0	0	0.0%	0.0	38	0.0	6434
6438	Corral Pass	4	4	416	100%	4	100%	4	40	8	20.0%	10.0	17	4.3	6438
6502	Tatoosh	5	4	530	80%	4	50%	2	60	21	35.0%	15.0	34	17.0	6502
6503	Smith Creek	3	3	456	100%	3	67%	2	64	19	29.7%	21.3	23	11.5	6503
6504	Goat Rocks	7	7	1,096	100%	7	100%	7	222	67	30.2%	31.7	26	3.7	6504
Grand Totals		57	53	2,503	93%	53	70%	37	978	309	31.6%	18.5	275	7.4	

Note: the Grand Total number of applications received is the total number of people who applied for permits. It was possible to apply for as many as four hunts on each application. If an application had four hunts listed, the application was tabulated under each hunt as an application.

FINAL BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
IN WASHINGTON STATE, TOTAL SUMMARIES FOR EACH COUGAR MANAGEMENT UNIT

		Female				Male				Combined Total			
		Hunting	Depredation	Other	Female	Hunting	Depredation	Other	Male	Hunting	Depredation	Other	Total
Cougar Management Unit		Harvest	Take	Take	Total	Harvest	Take	Take	Total	Harvest	Take	Take	Total
1	Coastal	9	0	0	9	6	0	0	6	15	0	0	15
2	Puget Sound	6	0	1	7	8	0	3	11	14	0	4	18
3	North Cascades	14	0	0	14	5	1	0	6	19	1	0	20
4	South Cascades	8	0	0	8	9	0	0	9	17	0	0	17
5	East Cascades North	22	0	0	22	12	0	0	12	34	0	0	34
6	Columbia Basin	4	0	0	4	2	2	0	4	6	2	0	8
7	East Cascades South	2	0	0	2	6	0	0	6	8	0	0	8
8	Northeastern	42	8	2	52	22	7	2	31	64	15	4	83
9	Blue Mountains	5	0	0	5	2	0	0	2	7	0	0	7
Statewide Totals		112	8	3	123	72	10	5	87	184	18	8	210

Cougar Management Unit 1 = Coastal

		Female				Male				Combined Total			
		Hunting	Depredation	Other	Female	Hunting	Depredation	Other	Male	Hunting	Depredation	Other	Total
GMU	UNIT NAME	Harvest	Take	Take	Total	Harvest	Take	Take	Total	Harvest	Take	Take	Total
501	Lincoln	0	0	0	0	0	0	0	0	0	0	0	0
504	Stella	0	0	0	0	0	0	0	0	0	0	0	0
505	Mossyrock	2	0	0	2	0	0	0	0	2	0	0	2
506	Willapa Hills	0	0	0	0	0	0	0	0	0	0	0	0
530	Ryderwood	0	0	0	0	0	0	0	0	0	0	0	0
601	Hoko	0	0	0	0	0	0	0	0	0	0	0	0
602	Dickey	0	0	0	0	0	0	0	0	0	0	0	0
603	Pysht	0	0	0	0	0	0	0	0	0	0	0	0
607	Soleduck	0	0	0	0	0	0	0	0	0	0	0	0
612	Goodman	0	0	0	0	0	0	0	0	0	0	0	0
615	Clearwater	1	0	0	1	1	0	0	1	2	0	0	2
618	Matheny	0	0	0	0	1	0	0	1	1	0	0	1
621	Olympic	1	0	0	1	0	0	0	0	1	0	0	1
636	Skokomish	0	0	0	0	1	0	0	1	1	0	0	1
638	Quinalt Ridge	1	0	0	1	0	0	0	0	1	0	0	1
642	Copalis	1	0	0	1	0	0	0	0	1	0	0	1
648	Wynoochee	1	0	0	1	2	0	0	2	3	0	0	3
651	Satsop	2	0	0	2	0	0	0	0	2	0	0	2
658	North River	0	0	0	0	1	0	0	1	1	0	0	1
660	Minot Peak	0	0	0	0	0	0	0	0	0	0	0	0
663	Capitol Peak	0	0	0	0	0	0	0	0	0	0	0	0
672	Fall River	0	0	0	0	0	0	0	0	0	0	0	0
673	Williams Creek	0	0	0	0	0	0	0	0	0	0	0	0
681	Bear River	0	0	0	0	0	0	0	0	0	0	0	0
684	Long Beach	0	0	0	0	0	0	0	0	0	0	0	0
CMU Total		9	0	0	9	6	0	0	6	15	0	0	15

FINAL BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
IN WASHINGTON STATE, TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT

Cougar Management Unit 2 = Puget Sound

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
407	North Sound	2	0	0	2	3	0	0	3	5	0	0	5
410	Islands	0	0	0	0	0	0	0	0	0	0	0	0
454	Issaquah	0	0	0	0	1	0	0	1	1	0	0	1
484	Puyallup	1	0	0	1	1	0	0	1	2	0	0	2
624	Coyle	0	0	0	0	0	0	0	0	0	0	0	0
627	Kitsap	0	0	0	0	0	0	1	1	0	0	1	1
633	Mason	0	0	0	0	0	0	0	0	0	0	0	0
666	Deschutes	1	0	1	2	0	0	2	2	1	0	3	4
667	Skookumchuck	2	0	0	2	3	0	0	3	5	0	0	5
CMU Total		6	0	1	7	8	0	3	11	14	0	4	18

Cougar Management Unit 3 = North Cascades

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
418	Nooksack	6	0	0	6	1	0	0	1	7	0	0	7
426	Diablo	0	0	0	0	0	0	0	0	0	0	0	0
437	Sauk	3	0	0	3	1	0	0	1	4	0	0	4
448	Stillquamish	3	0	0	3	2	1	0	3	5	1	0	6
450	Cascade	0	0	0	0	0	0	0	0	0	0	0	0
460	Snoqualmie	2	0	0	2	1	0	0	1	3	0	0	3
CMU Total		14	0	0	14	5	1	0	6	19	1	0	20

Cougar Management Unit 4 = South Cascades

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
466	Stampede	0	0	0	0	0	0	0	0	0	0	0	0
472	White River	3	0	0	3	2	0	0	2	5	0	0	5
478	Mashel	0	0	0	0	2	0	0	2	2	0	0	2
490	Cedar River	0	0	0	0	0	0	0	0	0	0	0	0
510	Stormking	0	0	0	0	1	0	0	1	1	0	0	1
513	South Rainier	5	0	0	5	0	0	0	0	5	0	0	5
516	Packwood	0	0	0	0	0	0	0	0	0	0	0	0
520	Winston	0	0	0	0	0	0	0	0	0	0	0	0
524	Margaret	0	0	0	0	0	0	0	0	0	0	0	0
550	Coweeeman	0	0	0	0	1	0	0	1	1	0	0	1
554	Yale	0	0	0	0	0	0	0	0	0	0	0	0
556	Toutle	0	0	0	0	0	0	0	0	0	0	0	0
558	Marble	0	0	0	0	1	0	0	1	1	0	0	1
560	Lewis River	0	0	0	0	0	0	0	0	0	0	0	0
564	Battle Ground	0	0	0	0	0	0	0	0	0	0	0	0
568	Washougal	0	0	0	0	0	0	0	0	0	0	0	0
572	Siouxon	0	0	0	0	0	0	0	0	0	0	0	0
574	Wind River	0	0	0	0	2	0	0	2	2	0	0	2
578	West Klickitat	0	0	0	0	0	0	0	0	0	0	0	0
CMU Total		8	0	0	8	9	0	0	9	17	0	0	17

Cougar Management Unit 5 = East Cascades North

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
203	Pasayten	0	0	0	0	1	0	0	1	1	0	0	1
218	Chewuch	0	0	0	0	0	0	0	0	0	0	0	0
231	Gardner	3	0	0	3	0	0	0	0	3	0	0	3
242	Alta	1	0	0	1	0	0	0	0	1	0	0	1
300	Manson	0	0	0	0	0	0	0	0	0	0	0	0
301	Clark	0	0	0	0	0	0	0	0	0	0	0	0
302	Alpine	0	0	0	0	2	0	0	2	2	0	0	2
304	Chiwawa	0	0	0	0	0	0	0	0	0	0	0	0
306	Slide Ridge	0	0	0	0	0	0	0	0	0	0	0	0
308	Entiat	2	0	0	2	0	0	0	0	2	0	0	2
314	Mission	1	0	0	1	0	0	0	0	1	0	0	1
316	Swakane	2	0	0	2	1	0	0	1	3	0	0	3
328	Naneum	7	0	0	7	2	0	0	2	9	0	0	9
334	Ellensburg	0	0	0	0	0	0	0	0	0	0	0	0
335	Teanaway	0	0	0	0	2	0	0	2	2	0	0	2
336	Taneum	1	0	0	1	1	0	0	1	2	0	0	2
340	Manastash	2	0	0	2	1	0	0	1	3	0	0	3
346	Little Naches	3	0	0	3	2	0	0	2	5	0	0	5
CMU Total		22	0	0	22	12	0	0	12	34	0	0	34

FINAL BIG GAME HARVEST STATISTICS FOR THE 1998 HUNTING SEASON
IN WASHINGTON STATE, TOTAL SUMMARIES FOR EACH GAME MANAGEMENT UNIT

Cougar Management Unit 6 = Columbia Basin

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
209	Wannacut	0	0	0	0	1	0	0	1	1	0	0	1
215	Sinlahekin	2	0	0	2	0	0	0	0	2	0	0	2
224	Pearrygin	0	0	0	0	0	1	0	1	0	1	0	1
233	Pogue	1	0	0	1	0	0	0	0	1	0	0	1
239	Chiliwist	0	0	0	0	0	0	0	0	0	0	0	0
242	Alta	0	0	0	0	0	1	0	1	0	1	0	1
248	Bigbend	1	0	0	1	0	0	0	0	1	0	0	1
254	Saint Andrews	0	0	0	0	0	0	0	0	0	0	0	0
260	Foster Creek	0	0	0	0	0	0	0	0	0	0	0	0
262	Withrow	0	0	0	0	0	0	0	0	0	0	0	0
266	Badger	0	0	0	0	0	0	0	0	0	0	0	0
269	Moses Coulee	0	0	0	0	0	0	0	0	0	0	0	0
329	Quilomene	0	0	0	0	1	0	0	1	1	0	0	1
330	West Bar	0	0	0	0	0	0	0	0	0	0	0	0
371	Alkali	0	0	0	0	0	0	0	0	0	0	0	0
372	Kiona	0	0	0	0	0	0	0	0	0	0	0	0
CMU Total		4	0	0	4	2	2	0	4	6	2	0	8

Cougar Management Unit 7 = East Cascades South

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
342	Umtanum	1	0	0	1	0	0	0	0	1	0	0	1
352	Nile	0	0	0	0	0	0	0	0	0	0	0	0
356	Bumping	0	0	0	0	1	0	0	1	1	0	0	1
360	Bethel	1	0	0	1	3	0	0	3	4	0	0	4
364	Rimrock	0	0	0	0	0	0	0	0	0	0	0	0
368	Cowiche	0	0	0	0	1	0	0	1	1	0	0	1
582	East Klickitat	0	0	0	0	0	0	0	0	0	0	0	0
588	Grayback	0	0	0	0	1	0	0	1	1	0	0	1
CMU Total		2	0	0	2	6	0	0	6	8	0	0	8

Cougar Management Unit 8 = Northeastern

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
101	Sherman	14	0	0	14	3	0	1	4	17	0	1	18
105	Kelly Hill	5	1	0	6	5	0	0	5	10	1	0	11
109	Threeforks	4	0	0	4	2	0	0	2	6	0	0	6
113	Selkirk	4	2	0	6	3	1	0	4	7	3	0	10
117	49 Degrees North	4	0	1	5	3	1	0	4	7	1	1	9
121	Huckleberry	5	3	1	9	5	4	1	10	10	7	2	19
124	Mt. Spokane	2	1	0	3	1	0	0	1	3	1	0	4
127	Mica Peak	0	0	0	0	0	0	0	0	0	0	0	0
130	Cheney	0	0	0	0	0	0	0	0	0	0	0	0
133	Roosevelt	1	0	0	1	0	0	0	0	1	0	0	1
204	Okanogan East	3	1	0	4	0	1	0	1	3	2	0	5
CMU Total		42	8	2	52	22	7	2	31	64	15	4	83

Cougar Management Unit 9 = Blue Mountains

GMU	UNIT NAME	Female				Male				Combined Total			
		Hunting Harvest	Depredation Take	Other Take	Female Total	Hunting Harvest	Depredation Take	Other Take	Male Total	Hunting Harvest	Depredation Take	Other Take	Total
145	Mayview	0	0	0	0	0	0	0	0	0	0	0	0
149	Prescott	0	0	0	0	0	0	0	0	0	0	0	0
154	Blue Creek	0	0	0	0	0	0	0	0	0	0	0	0
157	Mill Creek Watershed	0	0	0	0	0	0	0	0	0	0	0	0
162	Dayton	2	0	0	2	1	0	0	1	3	0	0	3
163	Marengo	0	0	0	0	0	0	0	0	0	0	0	0
166	Tucannon	0	0	0	0	0	0	0	0	0	0	0	0
169	Wenaha	1	0	0	1	0	0	0	0	1	0	0	1
172	Mountain View	0	0	0	0	0	0	0	0	0	0	0	0
175	Lick Creek	0	0	0	0	0	0	0	0	0	0	0	0
178	Peola	0	0	0	0	0	0	0	0	0	0	0	0
181	Couse	2	0	0	2	1	0	0	1	3	0	0	3
186	Grande Ronde	0	0	0	0	0	0	0	0	0	0	0	0
CMU Total		5	0	0	5	2	0	0	2	7	0	0	7

WASHINGTON
BRANT HUNTING AUTHORIZATION
HARVEST REPORT SUMMARY

YEAR	1990	1991	1992	1993	1994	1995	1996	1997	1998
TOTAL PERMITS ISSUED	490	654	747	1194	1069	1207	1445	1331	1348
NUMBER OF HUNTERS	338	330	319	496	287	343	254	197	243
DAYS (SUCCESSFUL)	763	647	709	765	484	552	549	326	350
SEASON DAYS	11	11	11	11	9	11	11	5	5
HARVEST									
SKAGIT	808	790	950	1347	825	918	1493	597	611
WHATCOM	0	3	9	7	0	0	0	0	0
PACIFIC	73	52	18	53	23	44	41	59	19
TOTAL	881	845	977	1407	848	962	1534	656	630

WASHINGTON
SNOW GOOSE HUNTING AUTHORIZATION
HARVEST REPORT SUMMARY

YEAR	1993	1994	1995	1996	1997	1998
TOTAL PERMITS ISSUED	2298	2588	2313	2363	2795	3086
NUMBER OF HUNTERS	572	433	221	427	424	341
DAYS (SUCCESSFUL)	1096	664	373	996	812	585
HARVEST						
ISLAND	58	60	57	39	38	29
SKAGIT	677	496	99	381	545	678
SNOHOMISH	1124	522	331	1400	749	262
TOTAL	1859	1078	487	1820	1332	969

These figures are based on analysis of mandatory harvest report returns, corrected for nonresponse bias.

1998 Washington September Canada Goose Seasons
SEASON SUMMARY
May 1999

I. BACKGROUND

The first September Canada goose season in Washington was initiated in parts of Clark, Cowlitz, Pacific, and Wahkiakum counties in 1990 and became operational in 1993. Season dates were September 1-10 in 1990-92 and September 1-12 in 1993-94. The 1995-96 seasons ran from September 1-15, with bag/possession limits of 3/6. In 1996, the season was expanded to all of Clark, Cowlitz, Pacific, and Wahkiakum counties.

A resident Canada goose season was initiated in eastern Washington in 1996, with season dates of September 7-13. Bag and possession limits were 3/6 respectively. The season was open in Asotin, Columbia, and Garfield counties, that part of Whitman County south of Highways 26 and 195, and those parts of Benton and Klickitat counties within one-half mile of the Columbia River from I-82 to the western Klickitat County line.

In 1997, Washington established a statewide September Canada goose season, which was continued in 1998. The 1998 season occurred from September 8-13, 1998, with bag and possession limits of 3 and 6 respectively. This report summarizes results of the statewide season, and provides continuing information on the season in southwest Washington.

II. POPULATION MONITORING

Continuance of September goose seasons is based on several criteria levels established when the seasons were initiated. For the statewide season, the criteria level for continuance of the September season is based on the Unit IV liberalization level in the Pacific Flyway's Pacific Population of Western Canada Goose Management Plan. The breeding population index for 1998 was 4040, well above the 3000 trigger level to restrict or discontinue the season (see Figure 1). Criteria levels for southwest Washington are based on standardized nest surveys conducted downstream from Longview, Washington. A level of 241 active nests was established to trigger restriction of the season, and a level of 170 was set to trigger discontinuance of the season. The 1999 nest survey showed 327 active nests on index islands. Trends in nest counts are illustrated in Figure 2.

III. HUNTER ACTIVITY AND HARVEST

During the 1990-92 experimental period, southwest Washington early season harvest was monitored using a mandatory report form issued with each hunting permit. Return of the report was required by October 15, or the hunter would not be able to participate in the subsequent September goose season. A harvest survey was not completed in 1993. Beginning in 1994, harvest was monitored using a special questionnaire mailed to a

sample of persons holding permits for the southwest Washington late season hunt. In 1994-95, a subsequent mailing to nonrespondents allowed estimates of harvest considering nonresponse bias, and the survey was changed to a single mailing in 1996. In 1997 and 1998, statewide (including southwest Washington) September goose harvest was measured using a special question on the statewide harvest questionnaire. Because of changing methods for estimating harvest and associated biases, comparison of harvest estimates from year to year for southwest Washington is difficult. Continuation of the southwest Washington season is contingent on breeding surveys rather than harvest levels, so harvest estimates have not been a priority for monitoring. Existing southwest Washington harvest estimates should be viewed as rough indications of harvest levels rather than indications of trends. Statistics from harvest surveys are summarized in Tables 1 and 2.

TABLE 1: Harvest and hunter activity estimates for statewide September goose season

YEAR	HUNTERS	HARVEST (95% CI)	DAYS	SUCCESS
1997	6,256	11,837 ± 3,505	13,719	0.86
1998	4,500	7,951 ± 1,091	10,374	0.77

TABLE 2: Harvest and hunter activity estimates for SW Washington September goose season

YEAR	PERMITS	HUNTERS	HARVEST	DAYS	SUCCESS
1990	1980	967	1567	2134	0.73
1991	1274	728	1164	1649	0.71
1992	1357	627	1163	1524	0.76
1993	NA	NA	NA	NA	NA
1994	NA	505	1152	1294	0.89
1995	NA	501	822	855	0.96
1996	NA	204	772	682	1.13
1997	NA	718	1320	921	1.43
1998	NA	612	461	797	0.58

1990-92: Harvest estimated by mandatory permit harvest report

1993: No harvest survey

1994-95: Harvest estimated by two wave mail questionnaire

1996: Harvest estimated by one wave mail questionnaire

1997-98: Harvest estimated by special question on statewide harvest questionnaire

FIGURE 1

PACIFIC POPULATION OF WESTERN CANADA GEESE
UNIT IV BREEDING POPULATION INDEX - 1989 PLAN

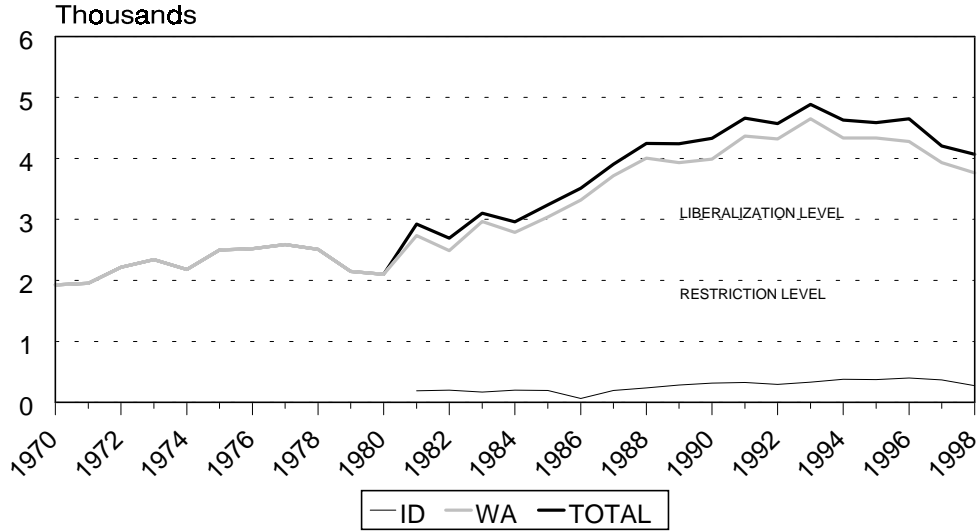
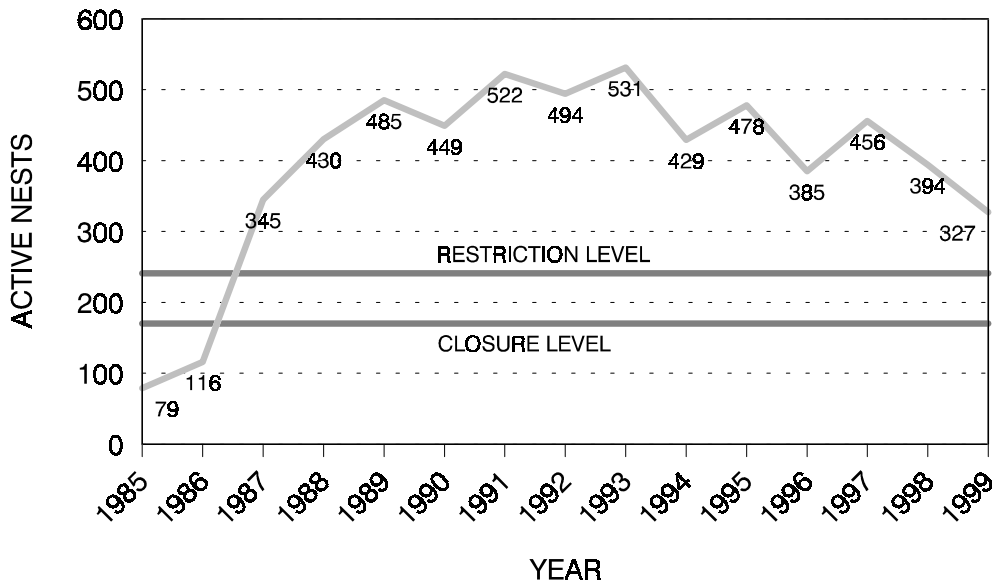


FIGURE 2

LOWER COLUMBIA RIVER GOOSE NEST SURVEY
1985-99 RESULTS



Index area includes Lord/Walker, Hump/Fisher, Eureka, Wallace, Coffeepot, Fitzpatrick, Pillar Rock, Miller Sands, Rice, and Sand Islands

Washington Department of Fish and Wildlife
Southwest Washington Canada Goose Regular Season
1998-99 Summary Report
March 1999

A. Background

The 1998-99 Canada goose regular season in southwest Washington was designed to allow harvest of Canada goose subspecies other than dusky Canada geese. Results of the late season are reported in a separate document. The season structure was developed initially in 1985, but season dates and quotas have varied annually (see Table 1).

Table 1. History of Southwest Washington Canada Goose Season Regulations

<u>Year</u>	<u>Class</u>	<u>Quota</u>	<u>Scheduled Dates (# Days)</u>	<u>Closure (# Days Hunted/Scheduled)</u>
1984-85	No No		Nov. 17-Dec. 16 (30)	Dec. 4 (18/30)
1985-86	All	40	Nov. 17-Dec. 29 (43)	Nov. 22 (6/43)
1986-87	All	90	Nov. 15-Jan. 4 (15)	No (15/15)
1987-88	All	90	Nov. 14-Jan. 10 (17)	No (17/17)
1988-89	New	90	Nov. 13-Jan. 7 (16)	No (16/16)
1989-90	New	45	Nov. 26-Jan. 13 (8)	Jan. 2 (6/8)
1990-91	All	45	Nov. 25-Jan. 12 (8)	Dec. 27 (5/8)
1991-92	New	90	Nov. 23-Jan. 11 (15)	CC(4/15),RF(11/15),PW(15/15)*
1992-93	New	90	Nov. 29-Jan. 16 (15-23)	CSC(6/15),RF(8/15),PWNC(23/23)*
1993-94	New	90	Nov. 27-Jan. 23 (17-25)	CSC(8/17),RF(11/17),PWNC(23/25)*
1994-95	New	90	Nov. 26-Jan. 22 (16-24)	CSC(8/16),RF(12/16),PWNC(24/24)*
1995-96	New	67	Nov. 25-Jan. 21 (8-21)	C(8/16),SC(2/9),RF(5/8), P(5/21),WNC(21/21)*
Late season		5	Feb. 5-Mar. 10 (12) - CSC	No (12/12)
1996-97	All 67		Nov. 23-Jan. 19 (23-25)	C(25/25),SC(25/25),RF(19/25), P(23/23),WNC(23/23)*
Late season		5	Feb. 5-Mar. 10 (15) - all	No (15/15)
1997-98	New	80	Nov. 22-Jan. 17 (25)	No (all zones 25/25)
Late season		5	Jan. 24-Mar. 9 (20) - all	No (20/20)
1998-99	New	80	Nov. 25-Jan. 17 (37)	No, except RF(32/37)
Late season		5	Jan. 23-Mar. 10 (22) - all	No (22/22)

*CC=Clark-Cowlitz Private Lands RF=Ridgefield PW=Pacific-Wahkiakum
CSC=Clark/S. Cowlitz Private Lands PWNC=Pacific/Wahkiakum/N. Cowlitz
C=Clark Private SC=S. Cowlitz P=Pacific WNC=Wahkiakum/N. Cowlitz

B. 1998-99 Season Regulations

The 1998-99 season was expanded from 3 days/week to 5 days/week in all zones and occurred on Saturdays, Sundays, Mondays, Wednesdays, and Thursdays, for a total of 37 hunt days. Funding to increase hunt days was provided by Congress as a part of the Canada Goose Depredation Plan

developed jointly among Washington, Oregon, USFWS and the Oregon and Washington Farm Bureaus. The total dusky quota during the regular season was 80, and area quotas were as follows: Zone 1 (Ridgefield NWR) - 10, Zone 2 (S. Cowlitz private lands) - 25, Zone 3 (Clark Co. private lands) - 20, Zone 4 (Wahkiakum/N. Cowlitz) - 10, Zone 5 (Pacific Co.) - 10, and Zone 6 (Gray's Harbor - new for 1998-99) - 5.

From 1991-95, WDFW used a key developed by USFWS (Ridgefield NWR) to estimate dusky harvest based on culmen, total tarsus, age, and sex. Beginning in 1996, WDFW used standardized criteria for classifying duskys, where a dusky was classified as a dark-breasted Canada goose (Munsell ≤ 5) with a culmen length of 40-50 mm. Cacklers were classified at the check stations using culmen measurements of <32 mm. Check station personnel made preliminary subspecies judgements of other subspecies at the check stations. The key was used to determine subspecies (other than duskys and cacklers) for this report, except where classifications were not possible using the key. In those cases, the judgement of the check station personnel was used for the final classification.

For the first time, in 1998-99 hunters were able to appeal some of the decisions made at check stations regarding classifications of duskys. Duskys measured with a breast color of 5 could be appealed, and subsequently rechecked by other biologists.

WDFW continued enhanced goose hunter training initially developed in 1996, which was revised in 1997 in conjunction with Oregon. Revisions were made in training materials to provide current information. In this program, hunters were sent a home study workbook and advised of the need to purchase a new videotape, available through a vendor in Olympia. Hunters were enrolled for one of 5 testing locations and could choose from 28 testing dates, at which a 40 question written test was administered based on the home study materials. Hunters were required to pass the test with a minimum score of 80%. Hunters who failed the test were required to wait 30 days before retesting, with a maximum of three times.

C. Results of 1998-99 Season

Hunters who passed the test in 1996-98 were automatically sent a new permit for 1998-99. New hunters and those harvesting duskys in 1997-98 were required to take a new test. A total of 2,162 permits were issued in 1998-99 (up 25% from 1997), which included 429 new hunters.

The 1998-99 season ran to completion in five of six quota zones. Ridgefield National Wildlife Refuge was closed after reaching their quota on January 11, 1999. The percentage of duskys in the harvest was 1.00%, comparable to past years. A total of 4,421 Canada geese were checked

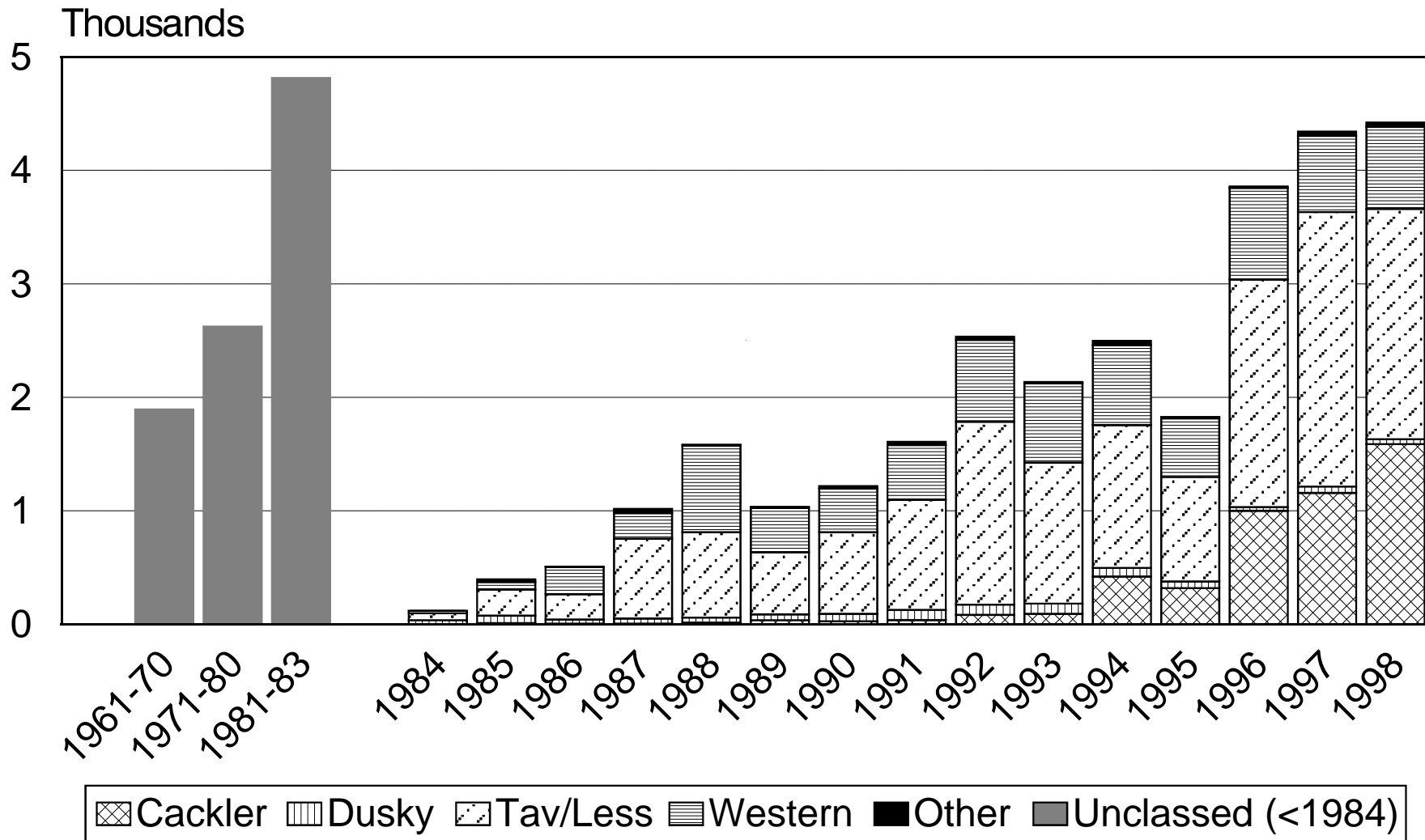
during the season, which represented a 7.8% increase from the 1996 and 1997 average of 4,099, and the highest recorded since the restricted season was initiated in 1984. The total included 44 duskys, 1,588 cacklers, 2,028 lesser/Taverner's, 724 westerns, and 36 other geese (see figure attached). A total of 737 individuals (up 9.4% from the 1996-97 seasons) checked birds at four Department of Fish and Wildlife (WDFW), one USFWS/WDFW, and two USFWS operated mandatory check stations. A total of 14 duskys were appealed, and 3 were reclassified. In those cases, the hunters' permit was reissued and the birds were removed from the dusky zone harvest total.

Although harvest was slightly up, there was a definite decline in wintering goose numbers during much of the season, and harvest per hunt day declined from 1997. Increased hunting opportunity provided by Congressional monies is believed to have reduced wintering goose numbers. This was particularly evident in the lower Columbia River areas where hunting was relatively poor and goose numbers were lower than last year for much of the season.

D. Season Compliance

A major emphasis patrol involving personnel from WDFW and USFWS was conducted in December in Clark County. A combination of uniformed and undercover officers and wildlife biologists documented individual hunter success and then determined if hunters at check stations and displayed all geese taken. Compliance was very good during this patrol, with no birds hidden and all hunters checking out as required. A total of 301 hunters were contacted during the hunting season by WDFW officers in southwest Washington. Generally, compliance was deemed good in comparisons to previous years.

CANADA GOOSE HARVEST SW Washington Regular Season



Southwest Washington Canada Goose Check Station Summary									
Season	Period	Cackler	Dusky	Taverner	Lesser	Western	Vancouver	Other	Total
1984-85	Season Total	0	37	63	0	20	0	0	120
1985-86	Season Total	11	66	113	116	67	0	25	398
1986-87	Season Total	8	36	172	51	241	0	0	508
1987-88	Season Total	7	45	478	225	224	4	35	1018
1988-89	Season Total	17	43	617	136	763	0	7	1583
1989-90	Season Total	37	52	455	92	391	9	0	1036
1990-91	Season Total	28	65	555	165	383	20	3	1219
1991-92	Season Total	39	88	675	295	483	14	15	1609
1992-93	Season Total	84	91	1340	270	722	25	2	2534
1993-94	Season Total	93	90	944	299	697	8	4	2135
1994-95	Season Total	422	77	1011	246	704	31	6	2497
1995-96	Regular Season	321	57	787	134	515	12	1	1827
	Late Season	13	2	75	10	21	0	0	121
1995-96	Season Total	334	59	862	144	536	12	1	1948
1996-97	Regular Season	1001	32	1678	327	808	9	2	3857
	Late Season	29	3	27	148	124	9	1	341
1996-97	Season Total	1030	35	1705	475	932	18	3	4198
1997-98	Regular Season	1158	56	2042	376	672	31	5	4340
	Late Season	153	2	155	16	70	2	0	398
1997-98	Season Total	1311	58	2197	392	742	33	5	4738
1998-99	Regular Season	1588	44	1736	292	724	28	9	4421
	Late Season	232	2	141	14	109	6	0	504
1998-99	Season Total	1820	46	1877	306	833	34	9	4925

HARVEST ZONE BREAKDOWN FOR 1998-99 SW WASHINGTON REGULAR SEASON GOOSE HARVEST

TABLE OF ZONE BY SUBSP

ZONE	SUBSP									
Frequency	C	D	L	S	T	U	V	W		Total
Percent										
Row Pct										
Col Pct										
	0	0	0	0	0	5	0	0		5
	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00		0.11
	0.00	0.00	0.00	0.00	0.00	100.00	0.00	0.00		
	0.00	0.00	0.00	0.00	0.00	55.56	0.00	0.00		
1	200	10	16	0	145	0	1	11		383
	4.52	0.23	0.36	0.00	3.28	0.00	0.02	0.25		8.66
	52.22	2.61	4.18	0.00	37.86	0.00	0.26	2.87		
	12.59	22.73	5.48	0.00	8.35	0.00	3.57	1.52		
2	241	2	38	0	429	0	5	101		816
	5.45	0.05	0.86	0.00	9.70	0.00	0.11	2.28		18.45
	29.53	0.25	4.66	0.00	52.57	0.00	0.61	12.38		
	15.18	4.55	13.01	0.00	24.71	0.00	17.86	13.95		
3	957	13	83	0	779	1	7	360		2200
	21.64	0.29	1.88	0.00	17.62	0.02	0.16	8.14		49.75
	43.50	0.59	3.77	0.00	35.41	0.05	0.32	16.36		
	60.26	29.55	28.42	0.00	44.87	11.11	25.00	49.72		
4	124	11	9	1	252	0	14	205		616
	2.80	0.25	0.20	0.02	5.70	0.00	0.32	4.64		13.93
	20.13	1.79	1.46	0.16	40.91	0.00	2.27	33.28		
	7.81	25.00	3.08	100.00	14.52	0.00	50.00	28.31		
5	66	8	146	0	125	3	1	43		392
	1.49	0.18	3.30	0.00	2.83	0.07	0.02	0.97		8.86
	16.84	2.04	37.24	0.00	31.89	0.77	0.26	10.97		
	4.16	18.18	50.00	0.00	7.20	33.33	3.57	5.94		
6	0	0	0	0	6	0	0	4		10
	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.09		0.23
	0.00	0.00	0.00	0.00	60.00	0.00	0.00	40.00		
	0.00	0.00	0.00	0.00	0.35	0.00	0.00	0.55		
Total	1588	44	292	1	1736	9	28	724		4422
	35.91	1.00	6.60	0.02	39.26	0.20	0.63	16.37		100.00

Late-Season Damage Hunt for Canada Geese in Southwest Washington, 1996-1999.

Jeffrey C. Lewis, Washington Department of Fish and Wildlife, 2108 Grand Blvd, Vancouver, WA 98661 4 May 1999

Since the winter of 1996, Canada geese (*Branta canadensis*) have been harvested in a special late-season hunt in an effort to alleviate goose damage to agricultural crops. About 20,000 Canada geese winter in southwestern Washington, and their activities are largely concentrated on agricultural lands. Frustrated farmers asked for help.

The objective of the late-hunt is to help landowners with goose damage by providing them with an additional means of hazing geese from their property. Geese get accustomed to many hazing techniques (e.g., pyrotechnics, streamers, etc.), even when used in combination. However, by adding the late-hunt to these hazing tactics, Biologists and landowners believed goose damage could be significantly reduced. The late-hunt also provides additional hunting opportunities to some Washington goose hunters, who have been more than happy to help out with the program.

The Washington Department of Fish and Wildlife (Department) is responsible for coordinating and monitoring the late hunt. Department Biologists coordinate the hunt by placing hunters in contact with landowners requesting help with goose damage. Biologists also monitor hunter effort, the goose harvest at check stations, and the number of dusky Canada geese that winter in southwest Washington.

Summary of the 1999 Late-Season

The 1999 season consisted of 21 hunt days on the Wednesdays, Saturdays, Sundays from 23 January to 10 March, 1999. A total

of 14 landowners participated: eight from Cowlitz County and six from Clark County (Table 1). As with previous years, only hunters that completed the Department's Advance Hunter Education Program (AHE hunters) were offered hunts during the late season. Eighty-eight AHE hunters participated in the 1998 late-hunt.

While a relatively large number of landowners participated in the late hunt during the 1999 season, several new factors influenced landowner participation during the season. The U. S. Department of Agriculture, Wildlife Services received additional funding to assist landowners with goose depredation problems at no cost to the landowner. Consequently, federally subsidized goose hazing (which is done in conjunction with the late hunt) may have been more readily accepted than hazing with a charge to the farmer (as in previous years), and also acted to increase the number of landowners participating in the late hunt. Conversely, no landowners from Wahkiakum County participated in the late hunt, unlike the first three years of the late hunt. The lack of participation by Wahkiakum County landowners was attributed to a decline in the number of wintering geese and little goose damage.

During the 1999 late-season, hunters could harvest four Canada geese, an increase from the limit of three in the 1998 late season. This increase in the limit likely explains the increase in the goose harvest in the 1999 late-season as shown in Table 2. On average, just under half of the hunters (44%) got at least one goose per day hunting

(Table 1).

Table 1. Summary of landowner, harvest, and hunter data for the late-season damage hunt for Canada geese in southwest Washington, 23 January - 10 March, 1999.

Farm	Location	Geese Harvested	No. of Hunter-days	Successful hunters	Success rate
<u>Goose Management Zone 3 (Clark County)</u>					
Fazio	Vancouver	184	103	71	69%
Lagler	Brush Prairie	37	51	22	43%
Lahti	Ridgefield	9	9	6	67%
Morgan	Ridgefield	20	39	13	33%
Wells	Ridgefield	14	15	7	47%
Zimmerlee	Ridgefield	<u>8</u>	<u>11</u>	<u>4</u>	<u>36%</u>
Subtotal		272	228	123	54%
<u>Goose Management Zone 2 (southern Cowlitz County)</u>					
Donald	Woodland	44	46	21	46%
Ferguson	Woodland	35	47	16	34%
Lutzenberger	Woodland	4	15	3	20%
Peterson	Woodland	46	51	20	39%
Smith	Woodland	18	51	12	24%
Thoeny	Woodland	11	13	7	54%
Zylstra	Woodland	<u>6</u>	<u>30</u>	<u>3</u>	<u>10%</u>
Subtotal		164	253	82	34%
<u>Goose Management Zone 4 (northern Cowlitz County)</u>					
Younquist	Longview	68	36	25	69%
Grand Total		504	517	230	44%

Table 2. Summary of data from the late-season hunts, 1996-1999.

	1996	1997	1998	1999
Goose harvest	121	341	398	504
Hunter Success	--	--	50%	44%
Hunt days	12	15	20	21
Participating AHE hunters	39	50	76	88
Participating Landowners	5	16	14	14

And, while only 504 geese were harvested

during the late hunt, hunters significantly contributed to the hazing effort on the properties of the 14 participating landowners.

Success of the Late Season, 1996-1999

There are a number of indicators that the late hunt has been successful at meeting its objectives. The number of landowners participating in the late hunt has declined (Table 2) since 1997, despite subsidized government hazing during the 1999 late-season. And in the 1999 late-season, Wahkiakum County landowners did not request hunts, apparently for the lack of a

goose problem. Also, hunters complained that some areas just weren't worth the effort to hunt. Lack of goose problems and lack of productive hunting opportunities could indeed indicate that the late-hunt has been successful at deterring geese from concentrating on these properties. A decline in the hunter success from 1998 to 1999 (from 50% to 44%) may also reflect the success of the late hunt at hazing geese.

The late hunt has picked up speed over the last few years in that more AHE hunters now participate, more geese are harvested, and the number of available hunt days has increased (Table 2). These factors could also contribute to the success of the late hunt because they all reflect increased hunting effort, and consequently, more hazing.

Protecting Dusky Canada Geese

Regulations for the protection of dusky Canada geese extend to the late-season goose hunt. While hunters accidentally kill dusks during the regular and late seasons, significant declines in accidental dusky kills have been observed recently. Only two dusks were accidentally killed during the 1998 late-season, representing just 0.4% of the harvest. This indicates that late-season goose hunters are very skilled at avoiding dusky kills while harvesting a record number of geese.

Conclusions

The 1999 late-season was successful in reducing goose damage to participating landowner's properties. Landowner participation has declined from the 1997 to the 1999 late season. Apparently some landowners had fewer concerns about goose damage, to the point where they did not need to participate in the late hunt. Also some landowners called hunters to let them know when goose hunting did not look promising on a given hunt day, preventing them from

making an unsuccessful trip. Hunters successfully harvested geese on just under half of their hunting trips, although some hunters were disappointed with the lack of geese where they hunted. Only two dusky geese were accidentally shot during the late season. No major problems were reported by the landowners during the late season and most were pleased with hunting and hazing efforts on their properties. The only landowner complaint was that the late-season (i.e., goose hazing) should continue beyond 10 March and last until the geese were gone. Hunters expressed several concerns including: unsportsman-like behavior of other hunters, disturbance of hunts by propane cannons, and an overabundance of streamers used by USDA, Wildlife Services for hazing. Fortunately, most of these concerns were minor and were easily resolved. While hazing equipment (e.g., cannons, streamers) can be disruptive to the hunt, hunters generally understand the purpose of the hazing and how hunting is intended to supplement these hazing efforts. A letter sent out to participating AHE hunters from the hunt coordinator helped explain how the late-season was coordinated, and significantly improved compliance with late-season guidelines and procedures. Similarly, Department Biologists reported no major problems during the season.

The overall success of the late-season hunt indicates that there is good communication among landowners, hunters, and Department Biologists. The difficulties inherent with developing a new hunting season are being ironed out as all parties gain experience with an adapting process.

HARVEST COUNTY BREAKDOWN FOR 1998-99 SW WASHINGTON LATE SEASON GOOSE HARVEST

TABLE OF COUNTY BY SUBSP

COUNTY	SUBSP						Total
Frequency	C	D	L	T	V	W	
Percent							
Row Pct							
Col Pct							
CL	175	1	4	65	0	27	272
	34.72	0.20	0.79	12.90	0.00	5.36	53.97
	64.34	0.37	1.47	23.90	0.00	9.93	
	75.43	50.00	28.57	46.10	0.00	24.77	
CO	57	1	10	76	6	82	232
	11.31	0.20	1.98	15.08	1.19	16.27	46.03
	24.57	0.43	4.31	32.76	2.59	35.34	
	24.57	50.00	71.43	53.90	100.00	75.23	
Total	232	2	14	141	6	109	504
	46.03	0.40	2.78	27.98	1.19	21.63	100.00

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = PHEASANT

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97	
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE				
1	ASOTIN	5147	117	197	1258	20	50	5199	67	77	0.99	30	69	
	COLUMBIA	5042	-15	13	1382	-45	-17	5035	-52	-20	1.00	77	39	
	FERRY	332	186	303	219	-22	14	654	45	10	0.51	98	190	
	GARFIELD	11834	6	97	2012	-30	8	9459	-20	39	1.25	33	48	
	LINCOLN	3291	-30	11	1422	-47	-15	4743	-57	-28	0.69	60	54	
	PEND OREILLE	385	65	153	168	-26	12	805	38	132	0.48	20	59	
	SPOKANE	3904	-37	2	1653	-36	-24	6787	-39	-24	0.58	4	34	
	STEVENS	1172	198	83	468	34	2	1959	77	48	0.60	68	21	
	WALLA WALLA	10259	-19	13	2308	-43	-23	13715	-30	-3	0.75	17	17	
	WHITMAN	18224	-12	-4	3986	-39	-26	16791	-46	-34	1.09	64	46	
REGION 1 TOTAL		59590	-7	24	12653	-34	-15	65147	-35	-11	0.91	43	41	
2	ADAMS	5602	-43	-31	2536	-42	-16	9056	-51	-29	0.62	17	-3	
	CHELAN	805	45	175	611	6	43	1694	13	35	0.48	28	91	
	DOUGLAS	2380	17	41	1177	-20	-6	4095	-29	-5	0.58	65	49	
	GRANT	22391	-17	-11	7560	-38	-24	34850	-47	-26	0.64	58	23	
	OKANOGAN	1698	15	59	808	-4	1	2518	-32	-14	0.67	70	85	
	REGION 2 TOTAL		32876	-20	-26	11284	-36	-32	52213	-46	-36	0.63	48	18
	3	BENTON	8385	-12	-17	2867	-31	-20	12515	-52	-36	0.67	85	28
FRANKLIN		9506	-9	-29	3308	-17	-24	14424	-24	-32	0.66	20	5	
KITTITAS		1348	-40	-42	1104	-3	-17	3361	-8	-30	0.40	-35	-14	
YAKIMA		17542	-20	-37	5443	-35	-34	31496	-39	-34	0.56	31	-2	
REGION 3 TOTAL		36781	-17	-19	11448	-29	-22	61796	-39	-23	0.60	36	7	
4	ISLAND	752	91	-53	191	8	-62	1491	23	-56	0.50	55	8	
	KING	3291	15	-14	1176	29	-13	6235	-12	-22	0.53	30	10	
	SAN JUAN	70	.	80	149	.	86	347	.	11	0.20	.	206	
	SKAGIT	1820	31	14	881	104	26	3849	49	26	0.47	-12	-14	
	SNOHOMISH	1715	31	-15	728	39	-3	3826	79	-8	0.45	-27	-11	
	WHATCOM	1960	-36	-47	527	-23	-34	3690	-32	-35	0.53	-6	-19	
	REGION 4 TOTAL		9608	6	-38	2927	4	-32	19438	6	-34	0.49	1	-10
5	CLARK	3659	28	1	835	33	7	5162	-0	4	0.71	28	-2	
	COWLITZ	787	-55	-38	411	4	-2	2899	48	56	0.27	-70	-58	
	KLICKITAT	595	-7	-18	457	-33	-23	1379	-47	-30	0.43	75	9	
	LEWIS	1330	-4	-34	422	-26	-33	1491	-43	-50	0.89	67	34	
	SKAMANIA	0	.	-100	145	.	-16	130	.	-76	0.00	.	-100	
	WAHKIAKUM	0	-100	-100	140	37	-14	343	-57	-27	0.00	-100	-100	
	REGION 5 TOTAL		6371	-7	-20	1863	-11	-15	11404	-13	-11	0.56	7	-10
6	CLALLAM	1102	260	18	284	-1	-13	1701	38	0	0.65	162	22	
	GRAY'S HARBOR	350	-35	-58	139	-33	-60	467	-62	-67	0.75	72	24	
	JEFFERSON	70	-72	5	142	-35	-2	1072	15	142	0.07	-75	-55	
	KITSAP	87	-82	-80	187	56	-22	236	-57	-69	0.37	-59	-32	
	MASON	1680	-32	-40	459	-11	-11	2746	-34	-31	0.61	3	-12	
	PACIFIC	175	72	-70	142	-20	-34	314	-39	-69	0.56	182	-5	
	PIERCE	2993	14	-23	634	1	-37	3823	4	-43	0.78	10	29	
	THURSTON	3816	-8	19	820	-0	-6	5516	-12	9	0.69	4	10	
	REGION 6 TOTAL		10273	-6	4	2040	31	-3	15875	-15	-1	0.65	10	5
TOTAL		155499	-12	-9	36791	-29	-19	225873	-35	-23	0.69	36	19	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = QUAIL

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97	
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE				
1	ASOTIN	4422	1	72	901	29	71	2821	28	72	1.57	-21	1	
	COLUMBIA	2661	-57	-18	646	-35	-11	2207	-53	-26	1.21	-9	8	
	FERRY	56	-84	-71	145	-12	3	287	-40	-29	0.20	-73	-65	
	GARFIELD	4216	-13	106	694	-32	15	3315	-14	63	1.27	1	24	
	LINCOLN	2042	-32	1	516	-29	-21	1709	-54	-28	1.19	48	34	
	PEND OREILLE	18	-69	-74	151	31	48	96	26	-59	0.19	-76	-42	
	SPOKANE	3654	-31	52	677	-42	-5	3083	-35	19	1.19	6	26	
	STEVENS	318	33	-37	213	14	-2	248	15	-57	1.28	15	1	
	WALLA WALLA	5041	18	89	1059	-18	24	5110	-10	41	0.99	31	28	
	WHITMAN	4835	9	29	1043	-22	-18	4632	-5	-15	1.04	14	53	
REGION 1 TOTAL		27263	-17	40	5034	-24	5	23508	-23	7	1.16	7	31	
2	ADAMS	2005	-21	-11	663	-25	0	2203	-35	-3	0.91	21	-10	
	CHELAN	7009	-49	-11	1015	-42	-14	3301	-63	-25	2.12	35	18	
	DOUGLAS	6990	-25	-2	995	-35	-11	3767	-35	-5	1.86	15	7	
	GRANT	8564	21	77	1537	-25	-0	7288	-21	24	1.18	52	40	
	OKANOGAN	4797	-46	-43	741	-29	-32	3619	-20	-15	1.33	-33	-32	
	REGION 2 TOTAL		29365	-30	4	4291	-34	-15	20178	-36	-3	1.46	10	7
	3	BENTON	10363	-15	41	1373	-29	-10	6348	-52	-19	1.63	77	75
FRANKLIN		3691	-8	-14	1123	-14	-2	3663	-42	-18	1.01	59	-0	
KITTITAS		3129	-21	-14	543	-31	-34	1834	-14	-34	1.71	-9	30	
YAKIMA		28598	-8	11	3286	-30	-20	20432	-29	-13	1.40	31	25	
REGION 3 TOTAL		45781	-11	6	5745	-31	-23	32277	-36	-16	1.42	40	25	
4	ISLAND	56	300	-59	140	16	-3	88	21	-83	0.64	232	104	
	KING	37	28	-69	147	47	-22	272	49	-41	0.14	-15	-59	
	SAN JUAN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100	
	SKAGIT	0	-100	-100	149	71	11	166	13	-58	0.00	-100	-100	
	SNOHOMISH	93	564	32	117	34	-20	446	511	23	0.21	9	27	
	WHATCOM	318	.	316	94	.	-23	565	.	85	0.56	.	252	
	REGION 4 TOTAL		504	399	-12	173	21	-55	1537	224	-41	0.33	54	43
5	CLARK	1143	861	2300	169	40	56	896	73	129	1.28	454	1093	
	COWLITZ	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100	
	KLICKITAT	2230	52	-14	452	-15	-19	1195	-36	-31	1.87	136	24	
	LEWIS	0	.	-100	145	.	51	390	.	97	0.00	.	-100	
	SKAMANIA	749	.	5837	145	.	692	402	.	575	1.86	.	2655	
	WAHKIAKUM	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100	
	REGION 5 TOTAL		4122	160	50	625	14	-1	2883	21	13	1.43	114	28
6	CLALLAM	74	.	-51	104	-10	-22	188	-36	-19	0.39	.	-17	
	GRAY'S HARBOR	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	-100	
	JEFFERSON	0	.	-100	151	45	107	192	-70	-14	0.00	.	-100	
	KITSAP	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100	
	MASON	487	725	174	216	120	27	473	14	-30	1.03	622	264	
	PACIFIC	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100	
	PIERCE	93	564	-29	213	88	5	1147	468	91	0.08	17	-65	
	THURSTON	0	.	-100	145	.	26	293	.	-5	0.00	.	-100	
	REGION 6 TOTAL		654	796	22	322	56	10	2293	42	-6	0.29	530	11
TOTAL		107689	-16	14	15205	-29	-7	82676	-29	-7	1.30	20	22	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = CHUKAR

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97	
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE				
1	ASOTIN	5006	-2	-28	1139	2	-15	4031	22	-6	1.24	-19	-22	
	COLUMBIA	173	-69	-66	155	-61	-59	493	-76	-52	0.35	29	-38	
	FERRY	0	.	.	0	.	.	0	.	.	0.00	.	.	
	GARFIELD	2648	29	67	498	-33	-32	1953	-4	4	1.36	34	63	
	LINCOLN	135	75	-14	147	32	-29	325	60	-34	0.42	10	-4	
	PEND OREILLE	0	.	.	0	.	.	0	.	.	0.00	.	.	
	SPOKANE	154	-62	-14	298	146	81	487	220	-17	0.32	-88	-32	
	STEVENS	0	.	.	0	.	.	0	.	.	0.00	.	.	
	WALLA WALLA	0	-100	-100	144	10	-31	304	-25	-38	0.00	-100	-100	
	WHITMAN	2319	116	-20	549	3	-48	2227	84	-43	1.04	17	46	
REGION 1 TOTAL		10435	11	-17	2212	-22	-36	9820	5	-22	1.06	6	8	
2	ADAMS	328	-60	-55	331	-21	-6	707	-6	-20	0.46	-57	-41	
	CHELAN	3827	-33	-8	686	-52	-38	2697	-50	-30	1.42	35	35	
	DOUGLAS	3015	-6	-3	899	-7	-17	3246	3	-9	0.93	-9	8	
	GRANT	3325	5	45	1046	-35	-13	8847	77	129	0.38	-40	-39	
	OKANOGAN	405	117	-75	255	-35	-65	2027	22	-21	0.20	77	-66	
	REGION 2 TOTAL		10900	-16	17	2645	-39	-24	17524	10	39	0.62	-24	-16
	3	BENTON	2513	41	27	584	-29	-24	2164	-41	-19	1.16	138	55
FRANKLIN		57	-70	-83	232	0	-18	403	2	-39	0.14	-70	-73	
KITTITAS		2532	-2	11	632	-41	-25	1670	-32	-28	1.52	45	53	
YAKIMA		4948	63	14	1018	-25	-33	5963	25	11	0.83	30	1	
REGION 3 TOTAL		10050	33	-13	2135	-36	-43	10200	-9	-23	0.99	46	14	
4	ISLAND	0	.	.	0	.	.	0	.	.	0.00	.	.	
	KING	0	.	.	0	.	.	0	.	.	0.00	.	.	
	SAN JUAN	0	.	.	0	.	.	0	.	.	0.00	.	.	
	SKAGIT	0	.	.	0	.	.	0	.	.	0.00	.	.	
	SNOHOMISH	0	.	.	0	.	.	0	.	.	0.00	.	.	
	WHATCOM	0	.	.	0	.	.	0	.	.	0.00	.	.	
	REGION 4 TOTAL		0	.	.	0	.	.	0	.	.	0.00	.	.
	5	CLARK	0	.	.	0	.	.	0	.	.	0.00	.	.
COWLITZ		0	.	.	0	.	.	0	.	.	0.00	.	.	
KLICKITAT		889	-47	-54	531	-16	-16	1572	-5	-13	0.57	-44	-46	
LEWIS		0	.	.	0	.	.	0	.	.	0.00	.	.	
SKAMANIA		0	.	.	0	.	.	0	.	.	0.00	.	.	
WAHKIAKUM		0	.	.	0	.	.	0	.	.	0.00	.	.	
REGION 5 TOTAL		889	-47	-54	531	-16	-19	1572	-5	-13	0.57	-44	-46	
6	CLALLAM	0	.	.	0	.	.	0	.	.	0.00	.	.	
	GRAY'S HARBOR	0	.	.	0	.	.	0	.	.	0.00	.	.	
	JEFFERSON	0	.	.	0	.	.	0	.	.	0.00	.	.	
	KITSAP	0	.	.	0	.	.	0	.	.	0.00	.	.	
	MASON	0	.	.	0	.	.	0	.	.	0.00	.	.	
	PACIFIC	0	.	.	0	.	.	0	.	.	0.00	.	.	
	PIERCE	0	.	.	0	.	.	0	.	.	0.00	.	.	
	THURSTON	0	.	.	0	.	.	0	.	.	0.00	.	.	
REGION 6 TOTAL		0	.	.	0	.	.	0	.	.	0.00	.	.	
TOTAL		32274	2	-9	7146	-32	-28	39116	2	-3	0.83	-1	-5	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = HUN

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	2845	1	47	800	-7	2	2971	14	15	0.96	-12	29
	COLUMBIA	616	-21	4	307	-39	-27	1286	-37	-4	0.48	26	7
	FERRY	0	.	.	0	.	.	0	.	.	0.00	.	.
	GARFIELD	1739	1	80	453	-39	-29	2081	-31	9	0.84	46	70
	LINCOLN	1250	1	1	590	-7	-2	1791	-37	-21	0.70	60	30
	PEND OREILLE	0	.	.	0	.	.	0	.	.	0.00	.	.
	SPOKANE	453	-57	-63	259	-60	-55	1100	-53	-53	0.41	-7	-23
	STEVENS	0	.	.	0	.	.	0	.	.	0.00	.	.
	WALLA WALLA	144	-35	-34	249	32	4	827	219	31	0.17	-80	-58
	WHITMAN	3533	47	2	1016	-17	-34	4837	-7	-34	0.73	58	57
REGION 1 TOTAL	10580	4	9	3094	-29	-23	14893	-18	-19	0.71	27	39	
2	ADAMS	833	14	26	324	-33	-17	1141	-34	-3	0.73	74	23
	CHELAN	489	105	43	262	-34	-24	538	-68	-35	0.91	534	112
	DOUGLAS	1486	108	78	591	22	1	1673	13	-6	0.89	83	89
	GRANT	1540	57	98	647	-25	-2	4559	10	109	0.34	42	-10
	OKANOGAN	308	3	-63	171	-49	-64	445	-58	-71	0.69	144	21
	REGION 2 TOTAL	4656	57	39	1821	-22	-9	8356	-17	14	0.56	89	22
	BENTON	398	-65	-25	366	-37	-5	1053	-58	-1	0.38	-17	-31
FRANKLIN	36	-39	-84	172	19	-36	297	53	-46	0.12	-60	-72	
KITTITAS	561	319	51	284	30	-21	692	70	-23	0.81	147	99	
YAKIMA	1069	139	4	518	29	-15	1822	67	-14	0.59	43	20	
REGION 3 TOTAL	2064	16	-9	1065	-6	-26	3864	-8	-20	0.53	26	15	
4	ISLAND	0	.	.	0	.	.	0	.	.	0.00	.	.
	KING	0	.	.	0	.	.	0	.	.	0.00	.	.
	SAN JUAN	0	.	.	0	.	.	0	.	.	0.00	.	.
	SKAGIT	0	.	.	0	.	.	0	.	.	0.00	.	.
	SNOHOMISH	0	.	.	0	.	.	0	.	.	0.00	.	.
	WHATCOM	0	.	.	0	.	.	0	.	.	0.00	.	.
	REGION 4 TOTAL	0	.	.	0	.	.	0	.	.	0.00	.	.
	CLARK	0	.	.	0	.	.	0	.	.	0.00	.	.
COWLITZ	0	.	.	0	.	.	0	.	.	0.00	.	.	
KLICKITAT	851	159	36	383	5	-6	1191	7	-3	0.71	142	46	
LEWIS	0	.	.	0	.	.	0	.	.	0.00	.	.	
SKAMANIA	0	.	.	0	.	.	0	.	.	0.00	.	.	
WAHKIAKUM	0	.	.	0	.	.	0	.	.	0.00	.	.	
REGION 5 TOTAL	851	159	36	383	5	-7	1191	7	-3	0.71	142	46	
6	CLALLAM	0	.	.	0	.	.	0	.	.	0.00	.	.
	GRAY'S HARBOR	0	.	.	0	.	.	0	.	.	0.00	.	.
	JEFFERSON	0	.	.	0	.	.	0	.	.	0.00	.	.
	KITSAP	0	.	.	0	.	.	0	.	.	0.00	.	.
	MASON	0	.	.	0	.	.	0	.	.	0.00	.	.
	PACIFIC	0	.	.	0	.	.	0	.	.	0.00	.	.
	PIERCE	0	.	.	0	.	.	0	.	.	0.00	.	.
	THURSTON	0	.	.	0	.	.	0	.	.	0.00	.	.
	REGION 6 TOTAL	0	.	.	0	.	.	0	.	.	0.00	.	.
TOTAL	18151	19	14	6090	-23	-12	28304	-16	-11	0.64	41	32	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = FOREST GROUSE

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	1107	14	16	489	-49	-38	1964	-54	-31	0.56	69	14
	COLUMBIA	853	-62	-42	516	-54	-38	2063	-61	-32	0.41	-31	-42
	FERRY	11471	153	43	2177	-23	-28	11366	-13	-24	1.01	93	28
	GARFIELD	108	-39	-44	258	-36	-40	922	-23	-19	0.12	-38	-58
	LINCOLN	235	-78	-76	447	-28	-29	1001	-67	-54	0.23	-63	-62
	PEND OREILLE	9728	64	16	2823	16	-0	14610	18	1	0.67	-4	-20
	SPOKANE	4664	22	50	1365	-20	-23	6808	-7	-1	0.69	-18	8
	STEVENS	21817	55	27	5302	5	-1	26148	7	-5	0.83	4	-4
	WALLA WALLA	1452	-33	8	480	-35	-20	1966	-48	-25	0.74	18	13
	WHITMAN	108	-81	-58	179	-43	-42	309	-72	-69	0.35	-31	-17
REGION 1 TOTAL		51543	45	23	11615	-10	-12	67157	-12	-13	0.77	16	1
2	ADAMS	0	.	.	0	.	.	0	.	.	0.00	.	.
	CHELAN	6733	120	67	1903	-22	-23	11723	31	10	0.57	11	-7
	DOUGLAS	90	-67	-85	183	-30	-62	393	-68	-74	0.23	-59	-61
	GRANT	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	OKANOGAN	17551	135	95	4414	19	-10	21102	44	-9	0.83	-8	24
	REGION 2 TOTAL		24374	126	118	6217	3	0	33218	33	13	0.73	0	14
3	BENTON	0	.	.	0	.	.	0	.	.	0.00	.	.
	FRANKLIN	0	.	.	0	.	.	0	.	.	0.00	.	.
	KITTITAS	4410	99	63	2339	10	-5	13328	35	25	0.33	-11	-19
	YAKIMA	3376	48	74	1883	-4	-0	10156	-7	30	0.33	-0	-21
	REGION 3 TOTAL		7786	73	9	4068	7	-23	23484	13	-4	0.33	-6	-29
4	ISLAND	0	-100	-100	151	29	76	173	-79	-25	0.00	-100	-100
	KING	2541	139	-10	1574	55	-21	7278	43	-22	0.35	67	16
	SAN JUAN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	SKAGIT	3648	201	2	1232	66	-27	6189	88	-31	0.59	60	49
	SNOHOMISH	1905	-19	-32	1693	61	-2	6438	28	-26	0.30	-37	-9
	WHATCOM	1633	16	-38	731	-14	-43	3970	6	-43	0.41	10	6
	REGION 4 TOTAL		9727	56	-31	4548	-8	-40	24048	28	-42	0.40	22	19
5	CLARK	1161	25	-26	974	32	-1	4281	5	-2	0.27	18	-22
	COWLITZ	2486	-63	-51	1501	-54	-40	10491	-62	-37	0.24	-4	-22
	KLICKITAT	2976	201	87	1277	104	59	4876	63	28	0.61	85	41
	LEWIS	5935	-22	-21	3664	-10	3	22690	-19	3	0.26	-4	-25
	SKAMANIA	4047	54	18	1883	7	16	10336	2	13	0.39	51	4
	WAHIAKUM	363	-23	-59	445	6	-14	2619	58	-1	0.14	-51	-59
	REGION 5 TOTAL		16968	-13	-15	7981	-12	-5	55293	-25	-6	0.31	17	-11
6	CLALLAM	9039	194	98	2151	71	24	17955	87	56	0.50	58	26
	GRAY'S HARBOR	6062	90	6	2111	21	-7	13143	27	-15	0.46	49	24
	JEFFERSON	3866	28	55	1194	7	-14	9938	35	19	0.39	-6	29
	KITSAP	235	45	-57	286	4	-45	1117	-16	-47	0.21	74	-24
	MASON	4973	77	39	1708	49	-1	12230	66	16	0.41	7	15
	PACIFIC	1778	-15	-22	844	-16	-33	6568	-21	-20	0.27	8	-2
	PIERCE	2795	-9	-29	1601	-19	-33	7728	-26	-40	0.36	23	18
	THURSTON	1851	-47	-41	1317	-14	-24	5667	-37	-37	0.33	-16	-6
	REGION 6 TOTAL		30599	47	27	9609	42	1	74346	17	4	0.41	26	21
TOTAL		140997	45	19	40242	2	-13	277546	-0	-8	0.51	-3	-10

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = DUCK

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97	
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE				
1	ASOTIN	159	-60	-79	241	27	28	530	12	-19	0.30	-64	-75	
	COLUMBIA	994	-64	-25	223	-36	-27	540	-53	-40	1.84	-22	35	
	FERRY	2787	31	213	201	3	1	718	-8	-3	3.88	42	204	
	GARFIELD	2467	-2	25	297	-23	-17	1209	-16	-11	2.04	17	40	
	LINCOLN	11931	-37	55	1134	-33	4	4559	-57	-17	2.62	45	97	
	PEND OREILLE	4989	-25	64	530	-5	12	1772	-43	-10	2.82	33	92	
	SPOKANE	10297	14	91	1103	-17	24	5511	-24	27	1.87	50	49	
	STEVENS	5113	16	158	472	7	13	3053	7	82	1.67	8	41	
	WALLA WALLA	16849	-30	7	1140	-25	-13	6552	-41	-18	2.57	18	34	
	WHITMAN	6036	-12	37	575	-38	-33	3774	9	4	1.60	-19	32	
REGION 1 TOTAL		61622	-21	43	4770	-27	-6	28218	-33	-2	2.18	18	48	
2	ADAMS	14292	-41	8	1481	-36	-6	7013	-49	-13	2.04	16	27	
	CHELAN	3906	-65	-7	593	-40	14	1856	-63	-15	2.10	-5	11	
	DOUGLAS	15180	23	104	1491	1	48	6772	-9	56	2.24	34	34	
	GRANT	103600	-27	35	7978	-33	-5	45978	-40	5	2.25	22	29	
	OKANOGAN	2698	-52	-18	415	-31	-26	1441	-48	-37	1.87	-9	30	
	REGION 2 TOTAL		139676	-29	20	11034	-31	-11	63060	-41	-6	2.21	20	28
	3	BENTON	35563	-27	25	2497	-20	-1	15947	-29	12	2.23	3	11
FRANKLIN		32545	-26	25	2128	-21	-11	14663	-21	12	2.22	-7	13	
KITTITAS		5255	-13	-4	670	-22	-17	2361	-48	-38	2.23	68	52	
YAKIMA		43162	-28	53	3579	-15	22	26498	-25	40	1.63	-5	8	
REGION 3 TOTAL		116525	-27	51	8192	-19	13	59469	-26	35	1.96	-1	12	
4	ISLAND	4332	-54	-19	306	-14	-46	3574	-6	-7	1.21	-51	-13	
	KING	10191	50	28	1385	31	19	8781	31	29	1.16	14	-1	
	SAN JUAN	1083	1	23	243	75	30	935	22	11	1.16	-17	20	
	SKAGIT	56834	60	39	4083	67	9	29039	57	12	1.96	2	24	
	SNOHOMISH	28425	42	51	2506	62	33	17642	78	40	1.61	-20	7	
	WHATCOM	26224	86	48	1647	91	21	12502	66	9	2.10	12	32	
	REGION 4 TOTAL		127089	46	28	8847	37	4	72473	53	10	1.75	-5	16
	5	CLARK	32971	98	195	1925	39	71	14818	71	119	2.23	16	36
COWLITZ		6498	-51	15	598	-20	7	4013	-21	29	1.62	-39	-9	
KLICKITAT		2414	-12	27	508	20	27	1540	-14	18	1.57	2	13	
LEWIS		11682	17	110	750	38	26	5946	39	72	1.96	-16	25	
SKAMANIA		2467	-7	64	220	29	-18	1408	1	13	1.75	-8	39	
WAHIAKUM		1189	-65	-58	262	8	-17	968	10	-31	1.23	-69	-41	
REGION 5 TOTAL		57221	17	100	3595	18	36	28693	30	66	1.99	-10	21	
6	CLALLAM	7918	34	42	500	-8	-8	4397	40	43	1.80	-4	1	
	GRAY'S HARBOR	15162	85	37	1249	11	16	6630	42	9	2.29	30	28	
	JEFFERSON	1278	-36	-52	247	22	-20	1235	-2	-30	1.03	-35	-32	
	KITSAP	355	-14	-82	209	24	-23	468	144	-67	0.76	-65	-51	
	MASON	4012	188	5	497	33	-1	2267	65	-19	1.77	75	30	
	PACIFIC	6018	5	-18	466	-34	-39	1850	-48	-51	3.25	102	63	
	PIERCE	13884	-16	20	1246	19	6	8011	-6	5	1.73	-11	16	
	THURSTON	6924	12	-13	653	-12	-20	3940	10	-12	1.76	1	-3	
	REGION 6 TOTAL		55551	20	24	4310	33	13	28798	9	9	1.93	9	14
TOTAL		557684	-9	36	35633	-9	7	280711	-14	13	1.99	5	22	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = GOOSE

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	280	21	159	216	59	21	599	25	8	0.47	-4	55
	COLUMBIA	87	-90	-58	127	-34	-42	683	46	31	0.13	-93	-69
	FERRY	70	21	-76	256	53	26	504	21	-21	0.14	-0	-72
	GARFIELD	175	-71	-57	243	-3	-7	739	-41	-18	0.24	-50	-48
	LINCOLN	1455	-35	-50	699	-24	-26	1947	-41	-52	0.75	9	1
	PEND OREILLE	1192	-26	46	496	15	20	1514	-47	-12	0.79	40	74
	SPOKANE	1472	-26	1	648	-9	-1	2535	-46	-12	0.58	37	13
	STEVENS	280	-70	-38	227	-24	-19	680	-33	-30	0.41	-55	-13
	WALLA WALLA	2296	3	-25	782	-13	-27	3477	-8	-22	0.66	11	-5
	WHITMAN	631	-28	-29	359	-10	-32	1483	30	-27	0.43	-44	-4
REGION 1 TOTAL	7938	-32	-25	2870	-19	-23	14161	-27	-24	0.56	-6	-3	
2	ADAMS	1350	-48	-49	845	-28	-17	2673	-49	-38	0.51	1	-18
	CHELAN	385	-76	-43	295	-42	-7	772	-68	-32	0.50	-25	-11
	DOUGLAS	2472	-5	26	777	-7	-2	2737	-33	-14	0.90	43	46
	GRANT	9257	-27	-7	3383	-40	-29	13709	-48	-29	0.68	41	26
	OKANOGAN	1052	-6	3	279	-42	-32	1619	-1	-0	0.65	-5	-9
	REGION 2 TOTAL	14516	-30	-23	5135	-37	-34	21510	-46	-36	0.67	31	17
3	BENTON	5225	-33	3	1718	-12	-4	7105	-24	-7	0.74	-11	9
	FRANKLIN	5610	-23	-4	1303	-14	-28	6966	11	-7	0.81	-30	-1
	KITITITAS	245	-59	-35	218	-30	-35	214	-87	-82	1.14	205	248
	YAKIMA	2209	14	0	1164	-8	2	5876	-8	19	0.38	23	-18
	REGION 3 TOTAL	13289	-24	22	3942	-17	-1	20161	-14	18	0.66	-11	6
4	ISLAND	263	1	34	185	37	-24	557	-55	-41	0.47	124	127
	KING	859	64	144	546	59	52	2126	79	45	0.40	-8	57
	SAN JUAN	17	-60	-61	140	39	56	79	10	-77	0.22	-64	53
	SKAGIT	1087	134	-44	710	27	-49	3063	39	-55	0.35	68	34
	SNOHOMISH	1157	157	7	784	72	4	4302	145	22	0.27	5	-9
	WHATCOM	1595	115	94	519	34	-15	3773	87	7	0.42	15	81
	REGION 4 TOTAL	4978	100	9	2128	5	-31	13900	64	-21	0.36	22	39
5	CLARK	3384	3	153	833	3	26	4400	27	106	0.77	-18	24
	COWLITZ	1244	-29	56	410	7	14	1840	43	72	0.68	-50	-9
	KLICKITAT	403	-40	-44	234	-11	-33	642	-36	-48	0.63	-6	4
	LEWIS	666	-8	23	374	23	23	1496	-10	22	0.45	2	4
	SKAMANIA	315	633	134	182	26	2	902	222	33	0.35	127	62
	WAHIAKUM	263	-42	-25	130	-51	-45	853	-26	31	0.31	-22	-32
	REGION 5 TOTAL	6275	-9	62	1657	-6	5	10133	14	45	0.62	-21	12
6	CLALLAM	561	545	185	182	5	-9	1020	45	4	0.55	345	140
	GRAY'S HARBOR	964	12	63	480	-1	10	2386	38	17	0.40	-18	30
	JEFFERSON	0	-100	-100	302	80	109	256	-88	-35	0.00	-100	-100
	KITSAP	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	MASON	0	.	-100	140	20	-29	395	137	-60	0.00	.	-100
	PACIFIC	841	115	124	182	-4	-34	482	4	-42	1.74	107	231
	PIERCE	420	-48	-14	536	16	28	3915	21	76	0.11	-57	-52
	THURSTON	596	86	95	333	62	22	2040	82	85	0.29	2	3
	REGION 6 TOTAL	3382	22	64	1364	54	18	10494	4	33	0.32	17	23
TOTAL	50378	-19	-1	16003	-20	-14	90359	-18	-11	0.56	-1	10	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = SEPT. GOOSE

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97	
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE				
1	ASOTIN	0	.	.	144	69	69	78	18	18	0.00	.	.	
	COLUMBIA	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	FERRY	0	-100	-100	142	-21	-21	234	230	230	0.00	-100	-100	
	GARFIELD	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	LINCOLN	313	-54	-54	202	-49	-49	317	-51	-51	0.99	-7	-7	
	PEND OREILLE	330	85	85	158	-33	-33	242	-36	-36	1.36	188	188	
	SPOKANE	280	-1	-1	272	14	14	343	16	16	0.82	-14	-14	
	STEVENS	479	131	131	164	-29	-29	294	20	20	1.63	94	94	
	WALLA WALLA	264	-64	-64	222	-31	-31	377	-20	-20	0.70	-55	-55	
	WHITMAN	82	-69	-69	127	-20	-20	152	-52	-52	0.54	-36	-36	
REGION 1 TOTAL		1748	-31	-31	889	-31	-31	2037	-34	-34	0.86	4	4	
2	ADAMS	313	-55	-55	297	-14	-14	610	9	9	0.51	-59	-59	
	CHELAN	115	-77	-77	134	-40	-40	73	-76	-76	1.58	-4	-4	
	DOUGLAS	198	-58	-58	197	-43	-43	138	-75	-75	1.43	69	69	
	GRANT	743	-65	-65	601	-59	-59	812	-66	-66	0.92	2	2	
	OKANOGAN	132	.	.	166	51	51	77	-40	-40	1.71	.	.	
	REGION 2 TOTAL		1501	-61	-61	1024	-51	-51	1710	-57	-57	0.88	-9	-9
	3	BENTON	726	-17	-17	431	-31	-31	711	-21	-21	1.02	4	4
FRANKLIN		1024	147	147	366	-9	-9	669	27	27	1.53	95	95	
KITTITAS		0	-100	-100	149	10	10	73	-67	-67	0.00	-100	-100	
YAKIMA		16	-92	-92	351	-9	-9	627	53	53	0.03	-95	-95	
REGION 3 TOTAL		1766	13	13	938	-29	-29	2080	1	1	0.85	12	12	
4	ISLAND	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	KING	396	122	122	246	91	91	256	-10	-10	1.55	149	149	
	SAN JUAN	0	.	.	145	.	.	75	.	.	0.00	.	.	
	SKAGIT	297	82	82	260	20	20	533	156	156	0.56	-29	-29	
	SNOHOMISH	66	-86	-86	224	17	17	336	62	62	0.20	-91	-91	
	WHATCOM	644	107	107	425	46	46	542	7	7	1.19	94	94	
	REGION 4 TOTAL		1403	-1	-1	1028	11	11	1742	27	27	0.81	-22	-22
	5	CLARK	280	-1	-1	330	22	22	386	-3	-3	0.73	2	2
COWLITZ		165	-82	-82	150	-43	-43	328	-16	-16	0.50	-78	-78	
KLICKITAT		33	.	.	299	269	269	294	32	32	0.11	.	.	
LEWIS		363	-9	-9	210	54	54	404	38	38	0.90	-34	-34	
SKAMANIA		66	.	.	147	28	28	344	-27	-27	0.19	.	.	
WAHKIAKUM		0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
REGION 5 TOTAL		907	-44	-44	573	-10	-10	1756	-5	-5	0.52	-41	-41	
6	CLALLAM	99	-58	-58	156	9	9	231	24	24	0.43	-66	-66	
	GRAY'S HARBOR	66	-36	-36	190	28	28	189	-34	-34	0.35	-3	-3	
	JEFFERSON	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	KITSAP	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	MASON	66	.	.	145	.	.	75	.	.	0.88	.	.	
	PACIFIC	16	-84	-84	132	29	29	83	26	26	0.19	-88	-88	
	PIERCE	165	-56	-56	222	-21	-21	233	-41	-41	0.71	-24	-24	
	THURSTON	214	1429	1429	169	72	72	238	-5	-5	0.90	1506	1506	
	REGION 6 TOTAL		626	-28	-28	606	88	88	1049	-26	-26	0.60	-3	-3
TOTAL		7951	-33	-33	4500	-28	-28	10374	-24	-24	0.77	-11	-11	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = SNIPE

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	COLUMBIA	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	FERRY	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	GARFIELD	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	.
	LINCOLN	0	-100	-100	145	45	67	122	-65	-58	0.00	-100	-100
	PEND OREILLE	0	.	.	0	.	.	0	.	.	0.00	.	.
	SPOKANE	174	29	135	144	50	33	.	.	.	.	.	.
	STEVENS	0	.	-100	149	71	223	373	45	323	0.00	.	-100
	WALLA WALLA	174	5	49	147	-11	10	78	-85	-61	2.23	604	361
	WHITMAN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
REGION 1 TOTAL	348	-20	13	205	-6	-21	573	-79	-72	0.61	283	176	
2	ADAMS	0	-100	-100	109	-6	-33	186	166	-52	0.00	-100	-100
	CHELAN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	DOUGLAS	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	GRANT	209	364	-32	288	117	39	318	-23	-34	0.66	502	-8
	OKANOGAN	17	.	268	98	.	44	62	.	-20	0.27	.	662
	REGION 2 TOTAL	226	51	-50	311	80	13	566	-13	-58	0.40	73	8
3	BENTON	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	FRANKLIN	34	.	-47	299	.	152	186	.	-52	0.18	.	5
	KITTITAS	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	YAKIMA	594	-72	-40	259	-13	-16	1313	-38	47	0.45	-56	-70
	REGION 3 TOTAL	628	-74	-51	319	-30	-23	1499	-49	-14	0.42	-50	-56
4	ISLAND	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	KING	69	-79	-72	209	109	73	205	-75	-38	0.34	-18	-56
	SAN JUAN	0	.	.	0	.	.	0	.	.	0.00	.	.
	SKAGIT	87	480	-54	104	24	-36	411	17	-34	0.21	397	-54
	SNOHOMISH	69	.	-68	149	.	-1	186	.	-71	0.37	.	-39
	WHATCOM	157	.	83	144	.	45	308	.	3	0.51	.	174
	REGION 4 TOTAL	382	10	-59	231	85	-28	1110	-4	-60	0.34	15	-13
5	CLARK	157	.	47	127	.	12	546	.	157	0.29	.	-24
	COWLITZ	0	.	-100	140	.	472	110	.	24	0.00	.	-100
	KLICKITAT	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	LEWIS	17	.	-67	140	.	45	195	.	-13	0.09	.	-60
	SKAMANIA	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	WAHKIAKUM	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	REGION 5 TOTAL	174	.	-3	134	.	-11	851	.	26	0.20	.	-38
6	CLALLAM	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	GRAY'S HARBOR	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	JEFFERSON	0	.	-100	151	.	627	114	.	157	0.00	.	-100
	KITSAP	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	MASON	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	PACIFIC	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	PIERCE	34	.	-79	144	.	68	3604	.	419	0.01	.	-96
	THURSTON	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
REGION 6 TOTAL	34	-92	-93	147	-5	-16	3718	494	230	0.01	-99	-98	
TOTAL	1792	-53	-51	880	0	-18	8317	2	-15	0.22	-54	-47	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = DOVE

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	478	-77	-75	194	-76	-73	371	-92	-85	1.29	-66	-48
	COLUMBIA	17	-99	-98	149	-78	-76	74	-97	-96	0.23	-95	-88
	FERRY	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	GARFIELD	708	-42	10	140	-66	-66	288	-75	-70	2.46	-34	13
	LINCOLN	1470	-51	-37	335	-41	-51	503	-73	-72	2.92	7	-19
	PEND OREILLE	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	SPOKANE	3578	-1	56	267	-73	-68	510	-82	-80	7.02	113	146
	STEVENS	938	-53	-75	150	-92	-94	410	-96	-97	2.29	262	73
	WALLA WALLA	389	-84	-74	136	-77	-77	134	-94	-93	2.90	-21	25
	WHITMAN	336	-50	-69	197	-35	-55	147	-74	-84	2.29	24	15
REGION 1 TOTAL	7914	-63	-61	965	-87	-88	2437	-93	-94	3.25	8	37	
2	ADAMS	3153	-28	27	404	-28	16	856	-42	10	3.68	23	11
	CHELAN	7653	-28	7	554	-82	-78	1108	-90	-89	6.91	98	55
	DOUGLAS	3507	-61	-34	435	-61	-49	915	-61	-53	3.83	-21	-16
	GRANT	13481	-49	4	1402	-48	-4	2735	-62	-25	4.93	32	38
	OKANOGAN	3861	-72	-73	361	-91	-93	588	-96	-97	6.57	10	40
	REGION 2 TOTAL	31655	-51	-24	2823	-74	-67	6202	-83	-81	5.10	19	22
	3	BENTON	6395	7	2	586	-20	-17	1211	-44	-36	5.28	92	59
FRANKLIN	4712	-52	-32	510	-52	-31	1160	-51	-35	4.06	-3	4	
KITTITAS	620	-85	-79	223	-87	-89	260	-97	-97	2.38	-43	-3	
YAKIMA	14668	-51	-37	1336	-62	-60	2993	-76	-73	4.90	-1	10	
REGION 3 TOTAL	26395	-47	-34	2285	-66	-69	5624	-77	-79	4.69	5	14	
4	ISLAND	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	KING	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	SAN JUAN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	SKAGIT	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	SNOHOMISH	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	WHATCOM	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	REGION 4 TOTAL	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	5	CLARK	301	25	-40	169	-57	-69	146	-92	-93	2.06	657	142
COWLITZ	53	-97	-98	149	-93	-91	743	-95	-92	0.07	-88	-91	
KLICKITAT	1558	7	-10	242	-61	-67	292	-85	-89	5.34	45	72	
LEWIS	53	-98	-98	151	-93	-93	748	-94	-94	0.07	-79	-92	
SKAMANIA	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
WAHKIAKUM	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
REGION 5 TOTAL	1965	-72	-79	290	-94	-94	1929	-95	-94	1.02	3	-36	
6	CLALLAM	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	GRAY'S HARBOR	88	-94	-97	151	-82	-90	598	-90	-94	0.15	-42	-76
	JEFFERSON	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	KITSAP	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	MASON	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	PACIFIC	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	PIERCE	53	-93	-94	225	-72	-80	447	-89	-92	0.12	-81	-81
	THURSTON	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	REGION 6 TOTAL	141	-98	-99	301	-91	-94	1045	-97	-97	0.13	-60	-81
TOTAL	68070	-55	-47	6076	-82	-83	17237	-90	-91	3.95	6	19	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = RACCOON

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	46	.	53	140	.	236	1041	.	71	0.04	.	12
	COLUMBIA	31	-23	-11	179	48	73	383	-81	-70	0.08	310	78
	FERRY	46	.	136	140	.	47	595	.	10	0.08	.	-12
	GARFIELD	31	.	1200	122	1	147	443	75	144	0.07	.	1079
	LINCOLN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	PEND OREILLE	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	-100
	SPOKANE	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	STEVENS	0	-100	-100	109	-5	-9	94	-9	-84	0.00	-100	-100
	WALLA WALLA	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	WHITMAN	62	-6	-39	104	-10	1	720	-30	29	0.09	35	-57
REGION 1 TOTAL	216	-4	-52	195	-8	-21	3276	-39	-35	0.07	57	-47	
2	ADAMS	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	CHELAN	0	-100	-100	140	-38	59	446	566	217	0.00	-100	-100
	DOUGLAS	31	-53	103	140	22	118	743	621	1284	0.04	-93	-71
	GRANT	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	OKANOGAN	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	-100
	REGION 2 TOTAL	31	-61	-58	140	-39	-31	1189	7	8	0.03	-63	-65
3	BENTON	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	FRANKLIN	125	.	746	104	.	69	.	.	.	.	.	.
	KITTITAS	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	YAKIMA	0	.	-100	140	16	-15	165	-67	-86	0.00	.	-100
	REGION 3 TOTAL	125	862	-67	122	3	-39	165	-74	-93	0.76	3583	257
4	ISLAND	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	KING	234	.	-4	231	.	37	2419	.	32	0.10	.	-25
	SAN JUAN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	SKAGIT	125	381	-68	156	36	-10	2103	581	22	0.06	-29	-81
	SNOHOMISH	125	.	27	216	.	27	1409	.	55	0.09	.	-50
	WHATCOM	501	-45	19	212	83	35	1633	-82	1	0.31	199	-32
	REGION 4 TOTAL	985	5	-33	302	163	-23	7564	-18	-3	0.13	28	-36
5	CLARK	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	COWLITZ	62	377	-77	122	54	-28	1271	151	-23	0.05	90	-68
	KLICKITAT	46	.	-20	109	.	17	473	.	-45	0.10	.	119
	LEWIS	0	-100	-100	149	42	-3	3784	841	126	0.00	-100	-100
	SKAMANIA	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	WAHKIAKUM	15	.	-92	104	.	-8	1440	.	34	0.01	.	-96
	REGION 5 TOTAL	123	132	-91	154	47	-46	6968	667	-4	0.02	-70	-91
6	CLALLAM	109	173	-33	153	-8	-13	3134	1935	86	0.03	-87	-76
	GRAY'S HARBOR	15	.	-95	140	40	-28	55	-89	-97	0.27	.	27
	JEFFERSON	78	-71	-55	175	108	28	2570	-66	24	0.03	-13	-52
	KITSAP	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	MASON	31	19	-83	127	61	-20	919	263	-32	0.03	-67	-79
	PACIFIC	125	136	-35	104	12	-19	1475	512	139	0.08	-61	-88
	PIERCE	0	.	-100	104	.	-37	1487	.	75	0.00	.	-100
	THURSTON	0	-100	-100	104	-44	-29	595	-53	-41	0.00	-100	-100
REGION 6 TOTAL	358	-21	-74	285	-1	-22	10235	0	7	0.03	-21	-77	
TOTAL	1838	4	-64	794	64	-33	29397	7	-11	0.06	-3	-62	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = JACKRABBIT

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	0	.	-100	140	.	184	551	.	224	0.00	.	-100
	COLUMBIA	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	FERRY	0	.	.	0	.	.	0	.	.	0.00	.	.
	GARFIELD	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	LINCOLN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	PEND OREILLE	0	.	.	0	.	.	0	.	.	0.00	.	.
	SPOKANE	0	.	-100	140	.	67	55	.	-78	0.00	.	-100
	STEVENS	46	.	2	149	.	17	466	.	2	0.10	.	-17
	WALLA WALLA	23	.	-50	140	.	22	55	.	-85	0.42	.	135
	WHITMAN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
REGION 1 TOTAL		69	.	-59	190	.	-15	1127	.	-56	0.06	.	-5
2	ADAMS	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	-100
	CHELAN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	DOUGLAS	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	-100
	GRANT	69	64	-47	127	5	-45	199	95	-47	0.35	-16	-3
	OKANOGAN	276	886	353	209	6	29	464	-13	-31	0.59	1034	353
	REGION 2 TOTAL		345	252	-26	212	-17	-48	663	-55	-67	0.52	684	124
3	BENTON	184	-7	-68	219	-13	2	797	59	-37	0.23	-42	-60
	FRANKLIN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100
	KITTITAS	23	-82	-82	281	61	33	330	-29	-59	0.07	-74	-66
	YAKIMA	668	215	-53	284	35	-33	610	-7	-61	1.10	237	37
	REGION 3 TOTAL		875	48	-60	393	-28	-46	1737	-2	-57	0.50	50	-3
4	ISLAND	0	.	.	0	.	.	0	.	.	0.00	.	.
	KING	0	.	.	0	.	.	0	.	.	0.00	.	.
	SAN JUAN	0	.	.	0	.	.	0	.	.	0.00	.	.
	SKAGIT	0	.	.	0	.	.	0	.	.	0.00	.	.
	SNOHOMISH	0	.	.	0	.	.	0	.	.	0.00	.	.
	WHATCOM	0	.	.	0	.	.	0	.	.	0.00	.	.
	REGION 4 TOTAL		0	.	.	0	.	.	0	.	.	0.00	.
5	CLARK	0	.	.	0	.	.	0	.	.	0.00	.	.
	COWLITZ	0	.	.	0	.	.	0	.	.	0.00	.	.
	KLICKITAT	0	.	-100	144	27	46	464	303	111	0.00	.	-100
	LEWIS	0	.	.	0	.	.	0	.	.	0.00	.	.
	SKAMANIA	0	.	.	0	.	.	0	.	.	0.00	.	.
	WAHKIAKUM	0	.	.	0	.	.	0	.	.	0.00	.	.
	REGION 5 TOTAL		0	.	-100	144	27	50	464	303	111	0.00	.	-100
6	CLALLAM	0	.	.	0	.	.	0	.	.	0.00	.	.
	GRAY'S HARBOR	0	.	.	0	.	.	0	.	.	0.00	.	.
	JEFFERSON	0	.	.	0	.	.	0	.	.	0.00	.	.
	KITSAP	0	.	.	0	.	.	0	.	.	0.00	.	.
	MASON	0	.	.	0	.	.	0	.	.	0.00	.	.
	PACIFIC	0	.	.	0	.	.	0	.	.	0.00	.	.
	PIERCE	0	.	.	0	.	.	0	.	.	0.00	.	.
	THURSTON	0	.	.	0	.	.	0	.	.	0.00	.	.
REGION 6 TOTAL		0	.	.	0	.	.	0	.	.	0.00	.	.
TOTAL		1289	87	-56	474	-36	-60	3991	19	-55	0.32	57	3

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = SNOWSHOE

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE			
1	ASOTIN	15	.	-86	94	.	-11	61	.	-87	0.25	.	28
	COLUMBIA	0	-100	-100	151	-34	-7	313	-91	-63	0.00	-100	-100
	FERRY	30	-90	-95	140	-32	-54	623	-52	-43	0.05	-79	-90
	GARFIELD	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	LINCOLN	46	.	745	149	.	74	5262	.	1136	0.01	.	-75
	PEND OREILLE	46	188	-81	188	61	-17	1454	.	15	0.03	.	-86
	SPOKANE	15	.	-32	94	-18	-39	61	-85	-82	0.25	.	170
	STEVENS	139	334	-67	254	8	-10	956	-47	-33	0.15	723	-55
	WALLA WALLA	0	.	-100	0	-100	-100	0	-100	-100	0.00	.	-100
	WHITMAN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
REGION 1 TOTAL	291	-19	-79	402	5	-41	8730	19	32	0.03	-32	-84	
2	ADAMS	0	.	.	0	.	.	0	.	.	0.00	.	.
	CHELAN	15	-69	-75	144	33	-12	122	-13	-73	0.12	-65	-14
	DOUGLAS	0	.	.	0	.	.	0	.	.	0.00	.	.
	GRANT	0	.	.	0	.	.	0	.	.	0.00	.	.
	OKANOGAN	448	31	-24	289	36	-42	1907	29	-15	0.23	1	-9
	REGION 2 TOTAL	463	18	-25	318	30	-40	2029	25	-18	0.23	-6	-10
3	BENTON	0	.	.	0	.	.	0	.	.	0.00	.	.
	FRANKLIN	0	.	.	0	.	.	0	.	.	0.00	.	.
	KITTITAS	0	-100	-100	144	-29	-15	61	-92	-93	0.00	-100	-100
	YAKIMA	0	-100	-100	144	-11	-31	1043	25	28	0.00	-100	-100
	REGION 3 TOTAL	0	-100	-100	179	-41	-46	1104	-30	-41	0.00	-100	-100
4	ISLAND	0	.	.	0	.	.	0	.	.	0.00	.	.
	KING	30	.	-69	214	19	51	797	214	43	0.04	.	-79
	SAN JUAN	0	.	.	0	.	-100	0	.	-100	0.00	.	.
	SKAGIT	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	SNOHOMISH	0	.	-100	145	.	32	1503	.	142	0.00	.	-100
	WHATCOM	0	.	.	0	.	.	0	.	.	0.00	.	.
	REGION 4 TOTAL	30	.	-91	180	-19	-41	2300	806	6	0.01	.	-91
5	CLARK	0	.	-100	144	.	48	1409	.	588	0.00	.	-100
	COWLITZ	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	KLICKITAT	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	LEWIS	108	33	280	169	11	-13	748	10	-38	0.14	21	113
	SKAMANIA	0	-100	-100	140	24	25	787	-73	5	0.00	-100	-100
	WAHIAKUM	0	.	.	0	-100	-100	0	-100	-100	0.00	.	.
	REGION 5 TOTAL	108	11	2	241	44	1	2944	-30	0	0.04	59	-54
6	CLALLAM	30	.	-59	299	.	152	2274	.	276	0.01	.	-91
	GRAY'S HARBOR	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	JEFFERSON	541	1004	1136	147	26	14	3570	1432	431	0.15	-28	-1
	KITSAP	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	MASON	0	.	-100	151	.	27	313	.	7	0.00	.	-100
	PACIFIC	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	PIERCE	0	-100	-100	144	-5	-17	1226	150	41	0.00	-100	-100
	THURSTON	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100
	REGION 6 TOTAL	571	401	-16	246	110	-5	7383	920	123	0.08	-51	-66
TOTAL	1463	40	-57	991	-11	-47	24490	56	26	0.06	-10	-67	

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

1998-99 SMALL GAME HARVEST SUMMARY

SPECIES = COTTONTAIL

REGION	COUNTY	HARVEST	1997	1993-97	HUNTERS	1997	1993-97	DAYS	1997	1993-97	HRV/DAY	1997	1993-97	
			%CHANGE	%CHANGE		%CHANGE	%CHANGE		%CHANGE	%CHANGE				
1	ASOTIN	0	.	-100	140	.	0	1048	.	185	0.00	.	-100	
	COLUMBIA	0	-100	-100	140	18	-9	420	475	-16	0.00	-100	-100	
	FERRY	106	112	-60	197	84	-7	566	34	-24	0.19	58	-48	
	GARFIELD	35	.	-26	109	.	6	169	.	-9	0.21	.	-4	
	LINCOLN	249	655	19	214	31	7	526	39	-4	0.47	444	23	
	PEND OREILLE	35	.	-50	151	8	-22	2344	749	162	0.01	.	-88	
	SPOKANE	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	STEVENS	17	-48	-87	149	-1	-36	84	-73	-91	0.20	91	-8	
	WALLA WALLA	302	-55	-0	189	75	10	838	53	9	0.36	-71	-33	
	WHITMAN	106	.	3	115	.	-36	298	.	-40	0.36	.	43	
REGION 1 TOTAL		850	-1	-41	450	6	-46	6293	194	4	0.14	-66	-49	
2	ADAMS	71	-80	-82	141	8	-16	272	12	-63	0.26	-82	-61	
	CHELAN	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	DOUGLAS	320	-42	-24	137	-28	-45	195	-78	-70	1.64	165	118	
	GRANT	1031	75	-15	409	-10	-23	3566	20	105	0.29	46	-60	
	OKANOGAN	426	1191	70	212	126	-33	622	137	-58	0.68	444	286	
	REGION 2 TOTAL		1848	12	-31	537	-34	-53	4655	-2	-14	0.40	15	-21
3	BENTON	640	855	49	192	-30	-23	995	31	-16	0.64	628	90	
	FRANKLIN	35	-74	-92	151	29	-21	705	251	15	0.05	-93	-93	
	KITTITAS	35	119	-59	142	-17	-46	240	-72	-77	0.15	686	12	
	YAKIMA	1298	134	6	401	-19	-32	1921	20	-21	0.68	95	29	
	REGION 3 TOTAL		2008	160	3	529	-37	-48	3861	13	-25	0.52	131	37
4	ISLAND	0	-100	-100	151	31	-16	141	-43	-73	0.00	-100	-100	
	KING	569	99	-18	343	96	8	1204	-10	-41	0.47	122	45	
	SAN JUAN	0	.	-100	0	.	-100	0	.	-100	0.00	.	-100	
	SKAGIT	302	351	-46	211	13	-29	1231	253	-2	0.25	28	-60	
	SNOHOMISH	106	221	-72	148	61	-49	1244	91	-3	0.09	68	-73	
	WHATCOM	71	-84	-87	193	64	-24	600	-37	-56	0.12	-75	-76	
	REGION 4 TOTAL		1048	16	-66	620	10	-44	4420	25	-43	0.24	-7	-39
	5	CLARK	35	119	-95	193	68	-36	848	230	-24	0.04	-34	-92
COWLITZ		320	-63	-85	223	-21	-40	1401	-40	-50	0.23	-39	-69	
KLICKITAT		88	.	61	422	.	349	673	.	181	0.13	.	-1	
LEWIS		160	-63	-75	245	-34	-32	969	-55	-58	0.17	-19	-50	
SKAMANIA		0	-100	-100	215	60	25	1899	48	76	0.00	-100	-100	
WAHKIAKUM		0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
REGION 5 TOTAL		603	-64	-84	485	-28	-48	5790	-9	-27	0.10	-61	-78	
6	CLALLAM	711	203	16	219	28	-16	3628	66	69	0.20	82	-25	
	GRAY'S HARBOR	160	.	-67	131	12	-43	1816	549	53	0.09	.	-78	
	JEFFERSON	88	-48	-79	193	21	-16	927	-25	-42	0.09	-30	-61	
	KITSAP	0	-100	-100	0	-100	-100	0	-100	-100	0.00	-100	-100	
	MASON	88	-42	-42	122	-34	-44	300	-83	-70	0.29	246	41	
	PACIFIC	35	119	-87	145	-24	-20	664	53	-23	0.05	43	-86	
	PIERCE	604	89	-33	235	-20	-50	1449	-42	-47	0.42	227	29	
	THURSTON	160	-57	-73	133	-53	-50	392	-62	-77	0.41	13	0	
	REGION 6 TOTAL		1846	29	-40	611	-1	-40	9176	-15	-20	0.20	52	-29
TOTAL		8203	12	-49	2809	-20	-48	34195	10	-22	0.24	2	-35	

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
 TRAPPERS' REPORT OF CATCH
 TOTAL NUMBER OF TRAPPER REPORTS = 488
 STATEWIDE SUMMARY FOR THE 1998-99 SEASON

	BADGER	BEAVER	COYOTE	MARTEN	MINK	MUSKRAT	NUTRIA	OTTER	RACCOON	SKUNK	WEASEL
REGION											
1	1	437	231	10	42	765	0	34	161	43	25
2	0	377	140	0	36	955	0	5	30	11	14
3	1	198	57	0	21	800	0	16	31	16	2
4	0	629	37	0	133	369	0	92	120	10	1
5	0	867	289	0	57	501	426	100	101	26	1
6	0	2050	168	4	135	727	60	409	389	58	4
STATEWIDE TOTAL	2	4558	922	14	424	4117	486	656	832	164	47

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
TRAPPERS' REPORT OF CATCH
COUNTY SUMMARY FOR THE 1998-99 SEASON

----- REGION=1 -----

REGION	COUNTY	BADGER	BEAVER	COYOTE	MARTEN	MINK	MUSKRAT	OTTER	RACCOON	SKUNK	WEASEL
1	ASOTIN	0	3	0	0	1	7	0	0	0	0
	COLUMBIA	0	20	0	0	0	1	0	1	0	0
	FERRY	0	33	8	0	0	3	0	1	0	10
	GARFIELD	0	21	59	0	4	4	1	21	0	0
	LINCOLN	0	1	69	0	0	0	0	1	0	0
	PEND										
	OREILLE	1	134	12	10	3	154	0	16	20	10
	SPOKANE	0	52	32	0	11	377	4	20	9	3
	STEVENS	0	29	15	0	4	107	0	13	0	0
	WALLA WALLA	0	103	26	0	4	59	19	12	8	0
	WHITMAN	0	41	10	0	15	53	10	76	6	2
REGION TOTAL		1	437	231	10	42	765	34	161	43	25

----- REGION=2 -----

REGION	COUNTY	BEAVER	COYOTE	MARTEN	MINK	MUSKRAT	OTTER	RACCOON	SKUNK	WEASEL
2	ADAMS	47	32	0	0	65	0	0	0	0
	CHELAN	95	18	0	12	5	2	20	5	0
	DOUGLAS	7	20	0	7	22	0	0	0	0
	GRANT	124	32	0	12	763	0	4	1	8
	OKANOGAN	104	38	0	5	100	3	6	5	6
REGION TOTAL		377	140	0	36	955	5	30	11	14

----- REGION=3 -----

REGION	COUNTY	BADGER	BEAVER	COYOTE	MARTEN	MINK	MUSKRAT	OTTER	RACCOON	SKUNK	WEASEL
3	BENTON	0	3	39	0	3	202	0	7	13	0
	FRANKLIN	0	5	0	0	4	133	0	1	0	0
	KITTITAS	1	41	14	0	1	96	5	7	0	1
	YAKIMA	0	149	4	0	13	369	11	16	3	1
REGION TOTAL		1	198	57	0	21	800	16	31	16	2

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
TRAPPERS' REPORT OF CATCH
COUNTY SUMMARY FOR THE 1998-99 SEASON

----- REGION=4 -----

REGION	COUNTY	BEAVER	COYOTE	MARTEN	MINK	MUSKRAT	OTTER	RACCOON	SKUNK	WEASEL
4	ISLAND	1	0	0	0	0	1	0	0	0
	KING	63	6	0	7	52	14	80	10	0
	SKAGIT	222	13	0	4	48	25	6	0	0
	SNOHOMISH	209	11	0	4	111	27	16	0	0
	WHATCOM	134	7	0	118	158	25	18	0	1
REGION TOTAL		629	37	0	133	369	92	120	10	1

----- REGION=5 -----

REGION	COUNTY	BEAVER	COYOTE	MINK	MUSKRAT	NUTRIA	OTTER	RACCOON	SKUNK	WEASEL
5	CLARK	90	35	2	13	39	7	15	0	0
	COWLITZ	239	56	3	282	50	33	20	0	1
	KLICKITAT	59	31	3	2	0	7	9	0	0
	LEWIS	413	117	44	161	80	47	50	26	0
	SKAMANIA	34	50	5	0	0	1	0	0	0
	WAHAKIYAKUM	32	0	0	43	257	5	7	0	0
REGION TOTAL		867	289	57	501	426	100	101	26	1

----- REGION=6 -----

REGION	COUNTY	BEAVER	COYOTE	MARTEN	MINK	MUSKRAT	NUTRIA	OTTER	RACCOON	SKUNK	WEASEL
6	CLALLAM	183	17	0	0	24	0	33	42	1	0
	GRAY'S HARBOR	837	32	0	41	269	44	120	141	32	4
	JEFFERSON	35	5	0	2	24	0	22	31	0	0
	KITSAP	66	18	0	2	6	0	34	50	10	0
	MASON	312	41	0	15	34	0	95	36	0	0
	PACIFIC	341	12	0	4	125	3	43	37	5	0
	PIERCE	196	15	4	40	171	0	44	39	1	0
	THURSTON	80	28	0	31	74	13	18	13	9	0
REGION TOTAL		2050	168	4	135	727	60	409	389	58	4

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

	SPECIES	
	BOBCAT	OTTER
	HARVESTED	HARVESTED
METHOD		
HUNTED	140	0
TRAPPED	180	436
UNKNOWN	4	0
STATEWIDE TOTALS	324	436

Note: Due to the need to publish the 1998 Game Harvest Report, it was necessary to utilize what information was in hand. It is possible that more complete information will become available and an updated report will be produced.

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

----- REGION=1 -----

REGION	COUNTY	METHOD	SPECIES		
			BOBCAT	OTTER	
			HARVESTED	HARVESTED	
1	ASOTIN	HUNTED	46	0	
	COLUMBIA	HUNTED	1	0	
	FERRY	HUNTED	2	0	
		TRAPPED	7	0	
	GARFIELD	HUNTED	12	0	
		TRAPPED	5	1	
	LINCOLN	HUNTED	1	0	
	PEND OREILLE	HUNTED	1	0	
		TRAPPED	15	0	
		UNKNOWN	1	0	
	SPOKANE	TRAPPED	2	0	
	STEVENS	HUNTED	6	0	
		TRAPPED	16	0	
	WHITMAN	HUNTED	1	0	
	REGION TOTAL	HUNTED	70	0	
		TRAPPED	45	1	
		UNKNOWN	1	0	
	REGIONAL TOTAL			116	1

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

----- REGION=2 -----

REGION	COUNTY	METHOD	SPECIES		
			BOBCAT	OTTER	
			HARVESTED	HARVESTED	
2	CHELAN	HUNTED	9	0	
		TRAPPED	2	2	
	DOUGLAS	HUNTED	2	0	
		TRAPPED	7	0	
	GRANT	HUNTED	1	0	
		TRAPPED	1	0	
	OKANOGAN	HUNTED	11	0	
		TRAPPED	7	5	
	REGION TOTAL	HUNTED	23	0	
		TRAPPED	17	7	
	REGIONAL TOTAL			40	7

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

----- REGION=3 -----

REGION	COUNTY	METHOD	SPECIES		
			BOBCAT	OTTER	
			HARVESTED	HARVESTED	
3	KITTITAS	HUNTED	9	0	
		TRAPPED	2	5	
	YAKIMA	HUNTED	5	0	
		TRAPPED	1	6	
	REGION TOTAL	HUNTED	14	0	
		TRAPPED	3	11	
	REGIONAL TOTAL			17	11

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

----- REGION=4 -----

REGION	COUNTY	METHOD	SPECIES	
			BOBCAT	OTTER
			HARVESTED	HARVESTED
4	KING	HUNTED	3	0
		TRAPPED	2	23
	SKAGIT	TRAPPED	7	23
	SNOHOMISH	TRAPPED	0	4
	WHATCOM	TRAPPED	4	19
	REGION TOTAL	HUNTED	3	0
		TRAPPED	13	69
	REGIONAL TOTAL			16	69

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

----- REGION=5 -----

REGION	COUNTY	METHOD	SPECIES	
			BOBCAT	OTTER
			HARVESTED	HARVESTED
5	CLARK	TRAPPED	0	2
	COWLITZ	TRAPPED	3	26
	Klickitat	TRAPPED	1	2
		UNKNOWN	2	0
	LEWIS	HUNTED	7	0
		TRAPPED	9	49
	WAHkiakum	TRAPPED	0	8
	REGION TOTAL	HUNTED	7	0
		TRAPPED	13	87
		UNKNOWN	2	0
REGIONAL TOTAL			22	87

WASHINGTON DEPARTMENT OF FISH AND WILDLIFE
1998-99 FURBEARER PELT SEALING REPORT

----- REGION=6 -----

REGION	COUNTY	METHOD	SPECIES		
			BOBCAT	OTTER	
			HARVESTED	HARVESTED	
6	CLALLAM	TRAPPED	0	18	
		HUNTED	12	0	
	GRAY 'S HARBOR	TRAPPED	48	130	
		HUNTED	1	0	
	JEFFERSON	TRAPPED	7	10	
		HUNTED	2	4	
	MASON	TRAPPED	1	40	
	PACIFIC	HUNTED	1	0	
		TRAPPED	2	14	
	PIERCE	HUNTED	3	0	
		TRAPPED	28	28	
	THURSTON	HUNTED	6	0	
		TRAPPED	1	17	
	REGION TOTAL	HUNTED	23	0	
		TRAPPED	89	261	
	REGIONAL TOTAL			112	261