

Table 14-2. Estimated Moose Harvest on Forest by Hunting District from 1986 to 1997.

Year	110	111	112	130	140	141	150	Total Annual Harvest from Hunting Districts within NFS lands
1986	21	24	3		4	4		56
1987	21	20	4		4	6		55
1988	16	18	8		5	8		55
1989	23	32	11		7	6		79
1990	34	32	12	3	15	4		100
1991	27	35	12	3	13	9		99
1992	32	46	10	3	16	7		114
1993	30	40	13	3	13	7		106
1994	29	39	13	3	13	5		102
1995	30	35	12	2	7	8		94
1996	24	23	6	3	8	5	1	70
1997	13	27	13	3	4	7	2	69
Ave								81

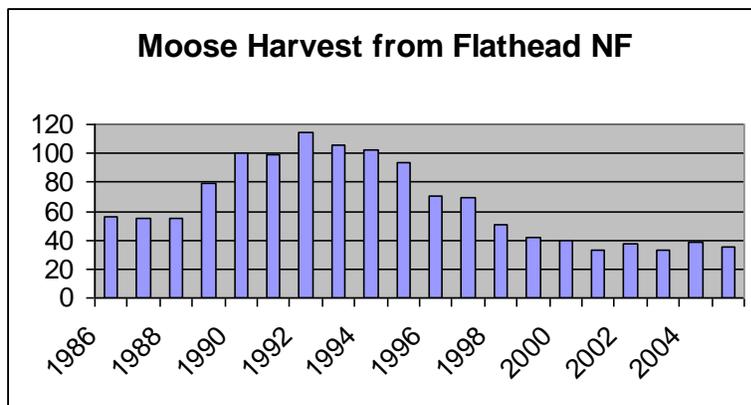


Figure 2 – Moose Harvest on the Flathead NF from 1986 to 2004

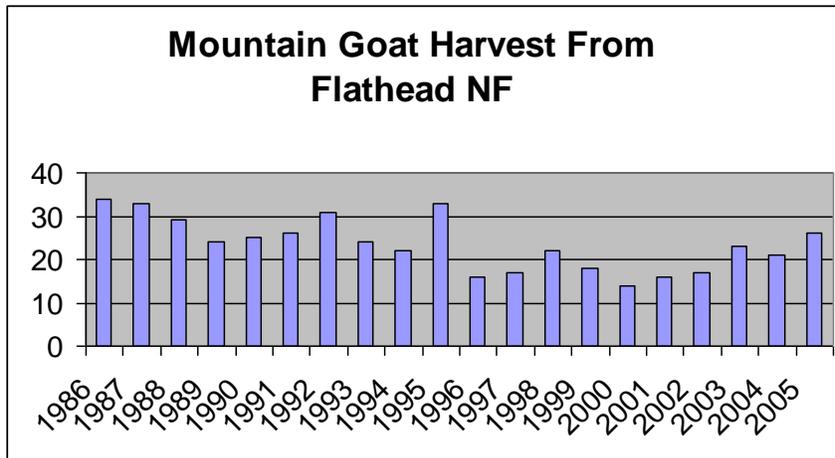


Figure 2 – Mountain Goat Harvest on the Flathead NF From 1986 to 2005

Since 1941, MT FWP has used post-season surveys of licensed hunters and permit holders as well as winter transect surveys to estimate wildlife harvest and population trends. Results of these surveys are used to develop hunting season regulations, evaluate and develop wildlife management strategies, develop wildlife research, and for hunting planning by the public. The number of permits allowed and harvest levels for moose and mountains goats is strictly controlled and should indicate MT FWP estimates of population trends for these species. The number of moose permits issued and moose harvested have decreased over the 1998 – 2005 period, and may suggest a decreasing population. Montana FWP has reported that from 1993 until about 1998, drought, severe winters and other factors caused the moose calf/cow ratio to drop to about 12 to 15 calves for every 100 cows. The ratios have now risen to 35-40:100 which translate into a steadily rising population. The number of permits issued and mountain goats harvested have remained relatively stable over the 1998 - 2005 period for mountain goats, and may suggest a stable population. However, these harvest numbers are lower harvests than the 1986 - 1997 reporting period.

The major fires of 2000 and 2003 created conditions that reduced canopy snow capture, thermal cover, and security cover for approximately 30 years over thousands of acres on and adjacent to the forest, caused an immediate and short-term reduction in forage, but will create increased big game forage values for the next approximately 30 years. Vegetation management, wildfires and fire use for resource values should continue to provide a diversity of habitats required for both species; moose a habitat generalist, and goats which are generally limited to fairly remote and hard to access locations.

Recommended Action: Short term game population changes are largely attributable to the designing and enforcement of hunting regulations within hunting districts, coupled with the effects of extreme weather. The FNF should 1) continue to coordinate project proposals with MT FWP for technical advice and to arrive at site specific objectives for the affected habitat, 2) partner with MT FWP to monitor populations as cooperative resources are requested, 3) continue to conduct analysis to review programs and activities at a landscape level to determine potential effects, and 4) provide for habitat connectivity, riparian management and access management at the project and landscape levels. Rejuvenating shrub fields by prescribe burns, allowing natural

fires to burn under prescriptions in high elevations, and create selected openings through timber management would benefit these species by creating a diversity of habitat and forage conditions.