

**Findings of the Alaska Board of Game
2011-185-BOG**

**BOARD OF GAME WOLF MANAGEMENT POLICY
(Policy duration: Date of finding through June 30, 2016.
This policy supersedes BOG policy 82-31-GB)**

Background and Purpose

Alaskans are proud that wolves occur throughout their historic range in Alaska. Wolves are important to people for a variety of reasons, including as furbearers, big game animals, competitors for ungulate prey animals, and as subjects of enjoyment, curiosity, and study. Wolves are important components in the natural functioning of northern ecosystems. Over time, many people have come to appreciate wolves as exciting large carnivores that contribute significantly to the quality and enjoyment of life in Alaska.

The primary purpose of this policy is to provide guidance to the public, the Department, and the Board of Game on wolf management issues as the Board and the Department implement constitutional and statutory direction and respond to public demands and expectations. The Board recognizes the need for ongoing responsible wolf management to maintain sustainable wolf populations and harvests, and to help maintain sustainable ungulate populations upon which wolves are largely dependent. The Board also recognizes that when conflicts arise between humans and wolves over the use of prey, wolf populations may have to be managed more intensively to minimize such conflicts and comply with existing statutes (e.g. AS 16.05.255). Under some conditions, it may be necessary to greatly reduce wolf numbers to aid recovery of low prey populations or to arrest undesirable reductions in prey populations. In some other areas, including national park lands, the Board also recognizes that non-consumptive uses of wolves may be considered a priority use. With proper management, non-consumptive and consumptive uses are in most cases compatible but the Board may occasionally have to restrict consumptive uses where conflicts among uses are frequent.

Wolf/Human Use Conflicts

Conflicts may exist between wolves and humans when priority human uses of prey animals cannot be reasonably satisfied. In such situations, wolf population control will be considered. Specific circumstances where conflicts arise include the following:

1. Prey populations or recruitment of calves into populations are not sufficient to support existing levels of existing wolf predation and human harvest;
2. Prey populations are declining because of predation by wolves or predation by wolves in combination with other predators;
3. Prey population objectives are not being attained; and
4. Human harvest objectives are not being attained.

Wolf Management and Wolf Control

The Board and the Department have always distinguished between wolf management and wolf control. Wolf management involves managing seasons and bag limits to provide for general public hunting and trapping opportunities. These seasons provide for both subsistence and other traditional economic harvest opportunities and, as a side benefit, allow for participants to directly aid in mitigating conflicts between wolves and humans or improving ungulate harvest levels. In most cases, seasons will be kept to times when wolf hides are prime. However, some hunters are satisfied to take wolves during off-prime months including August, September and April, and opportunity may be allowed for such harvest.

Wolf control is the planned, systematic regulation of wolf numbers to achieve a temporarily lowered population level using aerial shooting, hiring trappers, denning, helicopter support, or other methods which may not normally be allowed in conventional public hunting and trapping. The purpose of wolf control is not to eradicate wolf populations. Under no circumstances will wolf populations be eliminated or reduced to a level where they will not be able to recover when control efforts are terminated, and wolves will always be managed to provide for sustained yield.

In some circumstances it may be necessary to temporarily remove a high percentage (>70%) of wolf populations to allow recovery of prey populations. In other situations, it may be necessary to temporarily remove a smaller percentage of wolf populations (40-70%) to allow prey populations to increase or meet human harvest objectives. Once prey population objectives have been met, wolf populations will generally be allowed to increase to or above pre-control levels.

During the 1997 review of predator control in Alaska by the National Research Council of the National Academy of Sciences (National Research Council 1997), only two clearly successful cases were found where increased harvests of ungulates resulted from control in the Yukon and Alaska. In the last 13 years since that review, several other programs have been successful, including programs in GMUs 9, 13, 16 and 19. In addition, there is now a thirty year history of intensive wolf and moose management and research, including 2 periods of wolf control in GMU 20A. It is clear, and well documented, that periodic wolf control has resulted in much higher harvests of moose than could be realized without control (Boertje et al., 2009). Biologists now have considerable experience successfully managing moose at relatively high density (Boertje et al., 2007). The GMU 20A case history has provided a great deal of information on what biologists can expect from intensive management programs and these programs are scientifically well founded. However, GMUs are different ecologically and new information on which areas are best suited to intensive management programs will continue to be gathered.

Decisions by the Board to Undertake Wolf Control

Generally, there are two situations under which the Board will consider undertaking wolf control (implementing extraordinary measures outside normal hunting and trapping). In rare cases, control may be implemented where sustained yield harvests of ungulates cannot be maintained or where extirpation of ungulate populations may be expected. More commonly, the Board may implement wolf control to comply with Alaska Statutes (AS 16.05.255) where ungulate populations are declared "depleted" or where ungulate harvests must be significantly reduced and these

populations have been found by the Board to be important for “high levels of human harvest”. In most cases when wolf control is implemented, the Board will favor and promote an effective control effort by the public. Experience has shown that often a joint effort by the public and the Department has been most effective. However, the Board recognizes that there are areas and situations where the public cannot effectively or efficiently control predation and that the Department may, under its own authority and responsibilities, conduct the necessary wolf population control activities. Such situations arise in part because public effort to take wolves tends to diminish before an adequate level of population control is achieved. In areas where wolf reduction is being conducted, ungulate and wolf surveys should be conducted as frequently as necessary to ensure that adequate data are available to make management decisions and to ensure that wolf numbers remain sufficient to maintain long-term sustained yield harvests.

Methods the Board Will Consider When Implementing Wolf Control Programs

- 1) Expanding public hunting and trapping into seasons when wolf hides are not prime.
- 2) Use of baiting for hunting wolves.
- 3) Allowing same-day-airborne hunting of wolves when 300 ft from aircraft.
- 4) Allowing land-and-shoot by the public.
- 5) Allowing aerial shooting by the public.
- 6) Allowing use of Department staff and helicopters for aerial shooting.
- 7) Encouraging the Department to hire or contract with wolf trappers and other agents who may use one or more of the methods listed here.
- 8) Allowing denning by Department staff and use of gas for euthanasia of sub-adults in dens.

Terminating Wolf Control

Depending on the response to wolf control and ungulate population and harvest objectives, control may either be of short or long duration. In some cases, control may last less than five years. In other cases it may be an ongoing effort lasting many years. As ungulate harvest objectives are met, the Board will transition from a wolf control program to a wolf management program, relying to a greater extent on public hunting and trapping. In cases where ungulates respond very well and hunting is ineffective at controlling ungulate numbers for practical reasons, it may be necessary for the Board to restrict the taking of predators.

References Cited

- Boertje, Rodney D.; Valkenburg, Patrick, and McNay, Mark E. 1996. Increases in moose, caribou, and wolves following wolf control in Alaska. *Journal of wildlife management*. 1996; 60(3):474-489.
- Boertje, R. D., K. K. Kellie, C. T. Seaton, M. A. Keech, D. D. Young, B. W. Dale, L. G. Adams, A. R. Aderman. 2007. Ranking Alaska moose nutrition: signals to begin liberal antlerless moose harvests. *Journal of Wildlife Management* 71(5): 1494-1506.
- Boertje, R. D., M. A. Keech, D. D. Young, K. A. Kellie, and C. T. Seaton. 2009. Managing for elevated yields of moose in Alaska. *Journal of Wildlife Management* 73 (3): 314-327.

National Research Council. 1997. Wolves, bears, and their prey in Alaska. National Academy Press, Wash., D.C.

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