

**RECREATION AND TRAVEL MANAGEMENT
GUIDELINES FOR UNGULATES^{TWS}**

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As part of a project by the Montana Chapter of The Wildlife Society to provide guidelines and a comprehensive bibliography on the interaction of recreationists and wildlife, we have summarized information and provided draft guidelines for ungulates by season. The potential effects of recreational activities on ungulate populations are discussed relative to seasonal biology. The relevant literature is

reviewed, and recommendations for recreation management are given for winter/spring, summer, and hunting season. During winter, game managers routinely recommend that human disturbance of wintering animals be prevented. Summer vehicle traffic on forest roads affects the amount of habitat used by ungulates. Indirect effects include the establishment and spread of noxious weeds. During the big game hunting season, motorized vehicle uses affect security areas, which in turn have a strong relationship to buck/bull carryover. Providing security is a joint responsibility of both game and land managers. Where hunter numbers overwhelm security, modification of hunting regulations is recommended.