

anagement should be the fullest possible utilization of all the resources of the forest, consistent with their perpetuation. The idea that the creation of a national forest means the withdrawal of the resources from use is a totally mistaken one. Perpetuation by wise use is the motto which must be kept ever in mind.

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As a matter of administration, it must be recognized that many conflicting interests are involved, and the aim of the forester must be to guard against allowing one interest to encroach unfair-ly upon others. The principal resources

ing on the national forests by the for-est service, range wars within them have absolutely ceased. If no other result had been accomplished, the climination of this fertile source of constant strife on the forests, with the attendant continual loss of life and property, would have gone a long way in justifying the action taken by the government.

The obsect in cattle and horses are also very large. It is not unreasonable to estimate the total loss to all classes of live stock at several millions of doi-lars annually. To reduce and ultimately eliminate this loss, the forest service has spent many thousands of dollars in the employment of professional hunt-ers and in detailing forest rangers, for the purpose of exterminating predatory animals. The results accomplished have been thoroughly appreciated by the stockmen, who have also accomplished much along the same lines. The value of the forest as a conserver.

the water for domestic purposes on Ac-count of the great amount of silt in suspension and the befouling of the stream due to the existence of the many sheep upon the headwaters and their bedding in many instances upon the very banks of the streams. Pra-tically the same conditions existed upon the Fillmore national forest.

amount or vegetation to prevent the severe erosion which occurred in the other neighboring canyons. As a direct result of the floods, damage was done amounting to approximately \$30,000. In many places roads were totally de-stroyed and the transportation prob-lem on the Manti forest became so serious that it was necessary for the forest service to contribute \$1,000 to as-sist in repairing the roads in co-opera-tion with the settlers and other Drest

connected with forest lands in the west are timber, water, minerals, and grass and other forms of forage. Of these, the first, second and last are to a very considerable degree subject to control by man, and the unwise use of one resource may not only interfere with its own perpetuation but with that of other resources of a totally different na-ture. For instance, anyone who has carefully observed conditions, knows that unrestricted grazing by any class of stock where there is keen competi-tion for the range has an inevitable tendency to destroy not only the forage crop itself, reducing the carrying capacity of the ranges, but it injuriously affects the amount and regularity of flow of streams and in addition prevents and seriously interferes with the

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