

Strategies to Protect Forestry in Qilian Mountain Nature Reserve

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Abstract. Qilian Mountain is an important nature reserve in China, and its strategies for forestry protection has received much attention. Under the guidance of the development of the western region, the forestry in Qilian Mountain Nature Reserve has a good development trend, and the protection strategy of forestry needs to be further strengthened. This paper conducts a comprehensive analysis of the development status of forestry in Qilian Mountain Nature Reserve and explores conservation strategies to promote the healthy development of forestry in nature reserves.

1. Introduction

Qilian Mountain, located in the intersection of Qinghai-Tibet, Mongolia-Xinhua and Loess Plateau, is listed as a national nature reserve. It spans eight major counties in the three cities of Gansu, Zhangye and Jinchang, and has a total of 22 nature protection stations. Driven by the strategy of developing the western region, the forestry in Qilian Mountain Nature Reserve has developed towards tourism, planting, breeding and mineral mining, and has achieved a good development situation. The rapid development of forestry is accompanied by many problems that cannot be ignored.

2. The Significance of Forestry Protection in Qilian Mountain Nature Reserve

In recent years, in order to pursue economic benefits and concentrate on developing production, major domestic enterprises have suffered damage to the ecological environment, which has a negative impact on the stable life of the society. The environmental protection system of Qilian Mountain Nature Reserve is not perfect, and the terrain is extensive, and the ecological environment of the forestry is affected. China vigorously advocates a sustainable development strategy and does not abandon the long-term development because of its short-term interests, so that the relationship between man and nature is closely linked. The construction of ecological civilization and the harmonious coexistence between man and nature are the correct way to develop and help to build an equal and harmonious society.

3. Status of Forestry Industry Management in Qilian Mountain Nature Reserve

With the development of industrialization, the situation of environmental problems is grim, which attracts great attention of the state. The Chinese Party Central Committee and the State Council have taken various measures to control and protect the forestry industry in Qilian Mountain Nature Reserve, and have achieved certain results.

(1) The Forestry Industry has a Sound Management System.

In order to facilitate management, the State established the Qilian Mountain Nature Reserve in 1989, and then successively established the Forest Public Security Bureau, Forest Disease and Pest Control Station and 163 resource management and protection stations in 22 Natural Protection Stations in Gansu Province. The Forest Fire Prevention Command Department has three municipal

and seven county levels respectively. Eighteen forest police stations and four wood checkpoints have been set up successively, and a regional forest protection and fire prevention joint defense organization has also been set up. The establishment of these posts effectively supervises the threats of various factors in the production and development of forestry in Qilian Mountain Nature Reserve [1].

(2) The Management Capacity of Forestry Industry has Improved.

The forestry industry in Qilian Mountain Nature Reserve is so huge that it is difficult to control. The state has issued various related policies and set up a number of supervision and protection stations, which has high requirements for the professional knowledge and protection consciousness of workers in various positions. Specialists selected through hard conditions should be trained in forestry protection, and forestry workers should perform their duties. The rigid management mode of forestry protected areas has become more flexible and scientific, and human resources can be maximized. The efficiency of management implementation has been greatly improved.

(3) There are Laws for the Protection of Forestry Industry.

The Regulations on the Management of Qilian Mountain National Nature Reserve in Gansu, promulgated in 1997, clearly indicated that the scope of Qilian Mountain Nature Reserve ranged from 2.653 million hm² in the middle to the east of Qilian Mountain. It also clearly stipulated the management system of nature reserve and the responsibilities of each management post. In the process of forestry production and development in Qilian Mountain Nature Reserve, there are laws to follow. It can not only effectively protect forestry industry from the threat of pests and diseases and severely punish deforestation and excessive reclamation, but also protect the development of forestry planting, aquaculture and wildlife.

(4) Effective Governance

The forestry industry in Qilian Mountain Nature Reserve has been supported by many key projects, the ecological diversity of the region has been protected, and the ecological balance has been maintained. Comprehensive management of forest fireproof areas and natural forest protection is a key project, including renovation projects of dangerous houses and ecological public welfare forests, which promotes the growth of green plants and protects biodiversity and is conducive to ensuring a moderate increase in the number of wildlife.

(5) Implementing the Strategy of Rejuvenating the Region by Science and Technology

Scientific and effective management of nature reserves is inseparable from the support of science and technology. In cooperation with relevant scientific research institutes, the management departments of forestry industry in nature reserves have carried out many scientific research projects, three of which have reached the international advanced level, fifteen of which have reached the domestic leading level and won the municipal prize for advanced science and technology. More than 200 papers and 7 books have been published in various projects of reserve compilation. These achievements are the important theoretical basis for forestry production and construction in nature reserves, and also the action guide for management and protection of Qilian Mountains.

4. Main Problems Faced By Forestry in Qilian Mountain Nature Reserve

Although forestry in nature reserves is protected by laws and supervision by relevant departments and has advanced scientific theories, life activities are dynamic processes, and new challenges and new problems will emerge constantly. Everything in the world is changing all the time, relying on the theoretical basis of implementing management in a step-by-step manner, it is difficult to obtain significant results.

(1) Population Intensive, Frequent Economic Activities, and Increased Ecological Pressure

There are too many people living and moving in the protected area, and the ecological environment is greatly increased. According to statistics, there are 45 townships and more than 300 villages in the reserve, with a total population of 300,000. Most of them need to rely on land reclamation for development, which will cause greater pressure on the ecological balance, accelerate the inferiority of the land, and cause serious damage to the land due to deforestation and

overgrazing. The vegetation cannot be regenerated in a short period of time after destruction.

(2) Insufficient Management Regulations

The Regulations on the Management of Qilian Mountain National Nature Reserve in Gansu has been in existence for more than 20 years. After the revision and improvement, it will not have too many problems in the content, but it is difficult to implement. It is urgent to protect the forestry in the nature reserve from the long-term development. However, many governments are not accurate in positioning the protection of forestry, and pay attention to the improvement of the regulations of nature reserves, ignoring the specific implementation of the regulations. The effect on forestry protection in Qilian Mountain Nature Reserve is not significant^[2].

(3) Insufficient Investment in Ecological Construction

China pursues the harmonious coexistence of man and nature, and has also issued relevant policies. It has established many regulatory departments to protect natural areas and invested a lot of financial and material resources, but it is still insufficient to support the development of nature reserves. The Qilian Mountain area is special, the natural environment is harsh, and the forestation is difficult. The most important thing is that the cost of artificial afforestation is extremely high. The relevant departments have invested far less than the afforestation requirements for the ecological construction of forestry in Qilian Mountain Nature Reserve, and the funds allocated cannot complete the expected afforestation area. The funding for forest resource management protection is limited, and the speed of destroying the ecological environment is higher than that of afforestation.

5. Strategies to Protect Forestry in Qilian Mountain Nature Reserve

(1) Designating a Scientific Protection Plan

The forestry protection in Qilian Mountain Nature Reserve is a major project, which requires a reasonable protection plan to ensure the smooth development of protection. There are many types of infringements in forestry in nature reserves, both natural and human factors. Under the shackles of the law, the damage caused by human factors is a minority, and damage can be avoided with reasonable supervision. There are many natural factors, such as pests, storms, collapses, white paint on the trunk can prevent pests from invading; trees that have been disabled by the storm can take remedial measures according to the degree of damage, and three wooden sticks are used to characterize or transplant, or trees are injected.

give The tree is shot.

(2) Increasing Investment in Funds

The forestry area of the nature reserve is vast and the forest area is large. It is necessary to invest a certain amount of money to cover the fire and pest control. The cost of white paint, pest spray and labor are huge. The forestry industry has developed to planting, breeding and eco-tourism, and it needs to invest more funds and energy in the protection of the ecological environment. The development of activity projects in each forestry industry will increase the difficulty of management. With sufficient capital investment, the construction of forestry ecological gardens has been vigorously promoted, and jointly promoted the relevant industries of the forestry industry^[3].

(3) Improving Government Support

China is a socialist country under the leadership of the Communist Party. With the guidance of the Party's leadership and the support of the policies issued by the government, we can carry out all kinds of work smoothly. The development form of forestry in Qilian Mountain Nature Reserve is not abundant enough.^[4] All the ecological construction carried out by the management department is helpful to the support of the government for the activities and projects of forestry protection. For example, the development of ecological tourism in Qilian Mountain needs the help of the government in propagating the channels and efforts of ecological tourism. With human activities and care, the troubles of pests will be alleviated a lot.^[5]

6. Conclusion

In summary, the current situation of forestry development in Qilian Mountain Nature Reserve is

relatively good. There are still some problems in forestry protection, and there are some shortcomings in funds, manpower and policies. In the aspect of forestry protection, we still need to strengthen the construction of ecological environment and ensure sufficient funds for the allocation of resources. To carry out the strategy of sustainable development, we should not be confused by short-term interests. While vigorously producing, we should pay attention to protecting forestry and ensuring the healthy development of forestry.^[6]

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