

The present situation of forest fire prevention and fire control strategy

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Abstract: with the faster and faster development of the country and the rapid development of social economy, forestry development has encountered a certain crisis. In recent years, man-made deforestation has led to the continuous reduction of forest resources and severe damage to forest vegetation. Besides, the continuous development of forest fire poses a direct threat to forest resources. As a natural disaster, the fire disaster is relatively large, which can instantly destroy forest resources, destroy rare animals and plants, and, in serious cases, lead to soil erosion and land desertification. It poses a direct threat to the development of agriculture and water conservancy, resulting in economic losses. Therefore, the work of forest fire prevention must be strengthened. This paper analyzes and summarizes the current situation of forest fire prevention and puts forward specific fire control strategies.

1. Introduction

A forest fire has a direct threat and harm to the security of forest resources. once there is a forest fire, it will not only involve a relatively wide area but also bring great harm. Forest fire will not only cause soil erosion but also destroy the ecological balance and destroy the surface vegetation, resulting in the destruction and degradation of the forest ecosystem. Forest fires make wild animals lose their habitat, even lose their lives, and destroy biodiversity. Besides, forest fire also threatens the life safety and property safety of local people and restricts the development of transportation and tourism. Therefore, it is necessary to analyze and discuss the work of forest fire prevention. The following summarizes the current situation of forest fire prevention and discusses the forest fire control strategy.

2. The present situation of forest fire prevention

In China, the distribution of forest resources is more in the east than in the west, and there are more forest fires in the east than in the west. And from the number of forest fires, the number of forest fires in the south is more than that in the north, and the southwest forest region and the northeast forest region are the two forest areas where fires occur. Heihe area of Heilongjiang Province, Daxing'anling Forest region and Hulunbuir, Inner Mongolia are all fire-prone areas. In recent years, despite the establishment of a national forest fire prevention headquarters to ensure the safety of forest resources, forest fire prevention national attention to adjust September 25, 2018 established a national forest and grassland fire prevention and control headquarters.

Until 1988, China formally promulgated the regulations on Forest Fire Prevention, which provided a legal basis for the work of forest fire prevention in our country. since then, the work of forest fire prevention in China has been formally protected by law. Therefore, the work of forest fire prevention in our country has made a qualitative leap. To promote China's forest fire prevention work into a new period of development, a comprehensive and gradual establishment of fire prevention awareness, and the fire prevention system is becoming more and more perfect. Through the improvement and strengthening of the fire prevention infrastructure supported by the state, coupled with the continuous exploration in recent years, the basic ideas and framework of forest fire prevention work in China have been established, and the research on fire prevention technology has been deepened. the training of the fire prevention team has made progress. However, the work of

forest fire prevention in China is still not optimistic, and most of the fires are caused by human factors.

Therefore, in the problem of fire attributes, we pay more attention to human factors and then ignore the natural attributes of the forest. At the same time, the analysis, statistics, and reporting of forest fires have not been implemented, and some places will fail to report and conceal the reports of forest fires. Also, due to the lack of scientific and perfect forest fire assessment work, the scientific research of fire prevention technology and fire prevention theory in our country is relatively backward, which can not be updated in time, and the firefighting equipment and technology are relatively old, which directly restricts the development of forest fire prevention work.

3. Specific strategies for forest fire control

3.1 Building a professional forest fire prevention team

China is rich in forest resources, so it is difficult to protect forest resources synchronously in the whole region. Therefore, to effectively prevent forest fire, we must make full use of and give full play to the role of local forestry protection structure and build a professional forest fire prevention team. It is necessary to set up local forestry protection professional institutions, hire professional fire prevention staff to study regional forest resources protection and fire prevention methods, and formulate perfect forest fire prevention plans and methods according to the actual characteristics and conditions of local forest resources. At the same time, local forestry protection agencies can also call on members of the public to participate in forest resources protection and forest fire prevention work through the Internet, and effectively expand the scale of forest fire prevention teams. and then provide effective conditions for forest fire prevention and forest resources protection.

3.2 Strengthen the publicity of forest fire prevention

If we want to do a good job in the fire prevention and protection of forest resources, we must have the participation of the whole society. The relevant departments must pay more attention to it, fully understand the importance of forest fire prevention ideologically, strengthen propaganda, and adhere to the combination of online and offline. The scope of publicity of forest fire prevention work will be expanded through Internet channels, television channels, poster channels, newspaper channels and so on. Through regular publicity to make all sectors of society aware of the importance of forest fire prevention work, encourage people from all walks of life to actively participate in it, fundamentally reduce the probability of fire accidents, and effectively protect forest resources. Also, the relevant departments should seriously investigate and deal with forest fire cases, adhere to the principles of fairness, impartiality, and openness, strictly handle forest fire cases by relevant laws and regulations, avoid forest fires caused by human factors, and effectively protect forestry resources.

3.3 Formulate scientific and sound fire prevention measures

To protect forest resources, we should not only establish a sound management system but also formulate feasible, practical, scientific and reasonable forest fire prevention strategies to fundamentally improve the ability of forest fire fighting. The forestry department shall formulate fire prevention measures consistent with the forest resources in this area according to the situation of forest vegetation, climate, vegetation attributes, and vegetation types and so on. For the forest areas prone to fire, frequent fire and once fire, the isolation zone should be established, and the isolation zone should be maintained regularly to ensure that the fire prevention function can be brought into full play, and the scope of fire spread can be fundamentally reduced. Effectively reduce the destruction of forestry resources. At the same time, forest firefighting equipment and infrastructure should be improved and updated promptly, including gas masks, fire protection clothing, emergency communication equipment, etc., to provide perfect, complete and professional fire prevention equipment for fire protection commissioners.

3.4 Strengthen leadership, improve organizations, establish and improve forest fire prevention organizations

To effectively prevent and fight forest fires, we must strengthen organizational leadership, further strengthen responsibility, and implement the system of leadership responsibility for forest fire prevention. Article 5 of the regulations on Forest Fire Prevention stipulates that the administrative leadership of the people's governments at all levels shall be responsible for forest fire prevention work, and the people's governments at all levels shall regard forest fire prevention work as an important task, exercise unified leadership, and comprehensive prevention and control. In this regard, party and government leaders at all levels should put forest fire prevention work on the important agenda of the party and government leaders, ensure sound forest fire prevention institutions and stable personnel, and implement the fire prevention responsibility of each woodland to specific units and individuals in the light of the reality of their places.

3.5 In-depth implementation of various working systems for forest fire prevention

Take the forest fire prevention regulations as the basis, thoroughly implement the forest fire prevention policy of "giving priority to prevention and active elimination", and establish a new forest fire prevention mechanism of "based on the grass-roots level, based on the foundation, the township fighting for itself, the village fighting for itself, group prevention and governance, and self-prevention and self-rescue". Specifically, we should pay close attention to the duty dispatching and forest fire prevention period during which someone is on duty for 24 hours, and there are leaders to lead the shift to ensure the smooth flow of information.

3.6 Further increase the investment of fire prevention funds, improve infrastructure construction and replenish fire step by step

Team building to establish a sound modern firefighting team to ensure timely firefighting in the event of forest fires and reduce fire losses. Comprehensively strengthening the construction of forest fire prevention infrastructure and the construction of firefighting teams is an important basic work to improve the comprehensive capacity of forest fire prevention, and actively raise funds for the construction of fire prevention facilities and the equipment of firefighting teams. The battle can be won.

3.7 Strengthen the management of forest fire sources and do a good job in the daily inspection

The work of forest fire prevention must follow the principle of "prevention first and active elimination". The purpose of forest fire prevention is to prevent the occurrence of a forest fire. To achieve this goal, prevention is the key point. Elimination is a remedy. Active elimination means "hitting early and playing small". Is to nip the fire in the bud and prevent a small fire from causing a catastrophe.

3.8 Further efforts should be made to carry out publicity and education on forest fire prevention

The purpose of forest fire prevention propaganda and education is to continuously strengthen the whole people's awareness of forest fire prevention and the concept of the legal system and to improve leaders at all levels' awareness and sense of responsibility for doing a good job of forest fire prevention work. Turn the work of forest fire prevention into the conscious action of the whole people.

4. Conclusion

To sum up, to do a good job of forest fire prevention in an all-round way, it is necessary to strengthen organizational leadership, improve laws and regulations, and conduct in-depth supervision and investigation. We should strengthen the building of the contingent, do a good job in publicity and education, pay close attention to the work of forest fire prevention, keep a high degree of vigilance at all times, give priority to "prevention", and further strictly guard against "sources of

fire" and put an end to hidden dangers. To do a good job in the battle of forest fire prevention. The methods of forest fire fighting are also summed up according to the characteristics of the forest fire. In the actual fire scene, specific methods should be used according to the specific form, and must not be copied mechanically. Be flexible.

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