

# Research on Water Conservancy Project and Water Resources Protection Based on Ecological Development

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**Abstract:** With the deepening of economic globalization, the diversity and complexity of economic exchanges in various countries are gradually highlighted, and the focus of our country in the direction of economic construction and economic development has gradually shifted to the construction and development of market economy. How to promote our country's ecological environment work in the process of market economy construction is the key link of our country's present ecological environment construction. At the 19th National People's Congress, General Secretary Xi Jinping put forward "never forget the original ideals and aspirations, only to complete the mission" for the current ecological environment construction of our country put forward constructive and leading suggestions, pointed out the form and direction of ecological environment construction in our country.

## 1. Introduction

At present, our country's political economy is constantly improving and developing, and the national demand for the quality of life and living environment is also constantly improving. In the process of ecological environment construction, we also need to carry out all-round party and government construction, and then ensure that the ecological environment has a corresponding scientific nature in the process of construction and construction. In recent years, the keynote and background of market economy construction in our country is developing gradually, and it also puts forward new challenge to our country's political economy. How should the media carry out its own development and construction in the face of new development opportunities, and then perfect its own production and management form, and promote its own economic income and spiritual civilization to get win-win.

## 2. Current Situation of Ecological Construction in China

### 2.1. Pollution

Land Pollution on river basins and land Resources, soil and so on have important harm. First, influence Land The use function of the body is aggravated Land The shortage of resources affects the sustainable development of society. Secondly, it will also have a serious impact on agricultural aquaculture and industry. Land pollution directly affects irrigation in agriculture and aggravates the accumulation of dirty land irrigation and pollution land, and affects the development of aquaculture industry. Finally, the pollution of land resources will also cause people's living and drinking land crisis, because the land source contains a large number of germs and viruses, as well as some chemicals that have certain harm to the human body, reduce the stability and safety of drinking land, and endanger people's health and safety. In the traditional process of filtration and purification of land resources, it cannot effectively remove the chemicals in the land resources and directly affect the physical and mental health of the people who drink the land resources [1]. as shown in figure 1 for the land pollution phenomenon.



Figure 1 Land pollution

## 2.2. Sedimentation Atrophy of Lake Area

According to research, the shrinkage of lakes in China has been severe in recent years, from 80,600 square kilometers in the 20th century to 71,695 square kilometers today. The main reason for the atrophy of the lake is the silt in the lake, and the imagination of the surrounding lake is gradually aggravated. And with the increase of population, the demand for land resources is increasing year by year, and the demand for land resources from nature is too large [2].



Figure 2 Lake pollution

## 2.3. Lake Water Level Decline

Land level decline, you are a common problem in plateau lakes, the main cause of land level decline is natural changes and the impact of human activities. The land quantity of lake in plateau lake decreases the outflow quantity increase, mainly depends on the change of climate condition, the modern northwest area is in the uplifting stage, the climate is relatively dry, and because of its own elevation problem evaporation quantity, caused the lake land level decline phenomenon. Moreover, with the increasing population of the Northwest Territories, the population factors have also changed the amount of land, and the underground land has not been reduced, resulting in the overall use of land. The sharp reduction in the amount of land taken directly from lakes or from other corporate watersheds is also the main reason for the decline in lake land levels. The decline of lake and soil status in the region will have a bad effect on the natural environment of the region, and threaten the ecological civilization in a certain region, which will have a very serious impact on the ecological environment in the long run. figure 3 for the falling lake water level.



Figure 3 Falling lake water levels

### **3. Water Conservancy Projects and Water Resources Conservation in the Context of Ecological Development**

#### **3.1. Strong Equilibrium - High Security**

It refers to the high quality of economic construction and social environment construction, which can ensure the effective development of various factors in their own development process, and carry out the construction of ecological civilization with consciousness and spontaneity. And in the process of construction has achieved more perfect results, its own development mechanism is perfect, development pressure is small. In this kind of construction environment, we should guide many social organizations and people at the grass-roots level to participate in the ecological security process, strengthen the coordination and cooperation among various departments in the ecological security link, adopt the form of coordination and coordination to carry out effective ecological security activities, and establish and improve the corresponding ecological security mechanism, and take ecological security as a long-term mechanism. At the same time, the government should strengthen the guidance and support for the work of ecological security, avoid the environmental impact caused by blindly dedicated land construction, and make public publicity on the measures of ecological security, promote public decision-making on ecological security, and expand the access to information on ecological security. It can effectively reduce the effectiveness and scientific nature of ecological security work and avoid the environmental problems caused by unscientific operation [3].

#### **3.2. Resource Environment and Human Construction - High Security Model**

This model is similar to the above model, the difference is that there are some hidden problems in ecological security, but the negative impact on the environment as a whole is relatively small, basically will not hinder social construction and economic development. It should be recognized that the mechanism that the land environment protection in our country is difficult to build into perfection in a short period of time is mainly due to the cross-section and interdisciplinary of ecological security, and its own definition is not clear, which leads to the shortage of the source of funds for ecological security. The government's investment in ecological security is the main source of finance for ecological security, and the local and relevant departments' financial support for it is not clear, so we should establish corresponding laws and regulations to regulate it. At the same time, in the work of ecological security, we should also seek international encouragement and broad support from all walks of life. Coordinating the funds of all social strata in the process of land resources protection can lay a good mechanism for the protection of land resources, coordinate the integration and allocation of resources, enhance the economic input and benefit among them, alleviate the shortage of funds in the process of protection, and give more profound benefits and impetus to the protection of land resources.

#### **3.3. Low Pressure - Medium Safety Mode**

Green water Castle Peak is Jinshan Silver Mountain. Building ecological civilization is a

millennium plan for the well-being of the people and the future of the nation, and an important strategic task for realizing the great rejuvenation of the Chinese nation. The characteristic of this model is that the mechanism of resource and environment construction is out of balance at present, the phenomenon of unbalanced development between resources and environment is very obvious, the direction of ecological civilization construction has no solid mass foundation, and the stability of ecological security is poor.

Taking science and technology as the first productive force, learning and absorbing a part of advanced and forward-looking theoretical scientific and technological basis, adopting scientific and technological and leading technology to grasp the information dissemination commanding point of ecological environment protection work, constantly using new education and teaching technology, based on the new form and tone of ecological environment protection work. In the process of forest ecological environment construction in Ander city of Beijing, the construction of ecological environment also integrates the surrounding available land resources, brings the ecological environment south side substation and so on into the plan, concentrates the green construction, and dismantles the heavy wall between the east side Jintai fuel company, and changes it to the railing. This enhances the overall beautiful environment of the forest ecological environment and effectively meets the needs of users.

### **3.4. Resource-environment Inhibition - Low Level of Security**

The low-level security model is the most dangerous in the assessment of ecological security, manifested in the unstable state of resources and environment, the negative development level of ecological security, the great social pressure in the process of resource and environment construction, the lack of the necessary mass corresponding and mass base, and the strong hidden danger and threat of ecological security.

Some ecological protection workers believe that ecological security is the work of the State Forestry Administration. Can not correctly recognize their work in ecological security, land environment construction between the close relationship. It can be seen that the publicity and supervision of ecological security should be carried out vigorously, and the relationship between land workers and land resources and land and forestry protection is very close. And extensive publicity and education of ecological security can guide the whole society to devote itself to ecological security. promote the significant improvement of ecological environment land level in our country.

Because ecological security involves many work in many departments, including forestry, land and resources, agriculture, land benefit, environmental protection and so on, it is difficult to form a coordinated and orderly management mechanism. For ecological security cannot be carried out from all-directional, multi-angle direction. Therefore, the state should establish and improve the ecological security mechanism, coordinate the various local departments, work together for ecological security, and carry out unified management of ecological security work. Establishing and improving the ecological security mechanism can give the relevant departments controllable and protective policies, ensure that the means of protection have rules to follow and laws to abide by, can lay a good ecological security situation, establish a good mechanism and effect in the regular development process, and then advance the ecological security to achieve gratifying results.

## **4. Conclusion**

According to the above discussion, in the continuous progress of information technology, the construction of ecological environment protection should be organically combined with economic construction and development, along with the development and realization of Chinese Dream, gradually achieve the goal of China's growth and development, which is the responsibility and obligation that the Chinese people should fulfill. Therefore, our country should increase its own innovative consciousness and ideas in the process of ecological environment protection construction, establish and improve the content and mechanism of ecological environment protection construction, improve the overall level and development plan of ecological environment protection

construction, and obtain its own regular and strong development under the trend of continuous development in the new period.

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