

# Exploring the Rural Landscape, Forest, Field, and Lake Model under the Background of Whole Area Land Remediation

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## Abstract

**As an innovative strategy to promote rural revitalization and urban-rural coordinated development in the new era, comprehensive land consolidation requires cooperation and joint efforts from multiple departments, and the implementation of projects is interconnected in order to achieve the broad road of socialist rural revitalization with Chinese characteristics.**

## Keywords

**Whole Area Land Consolidation; Comprehensive Management of Small Watersheds; Rural Revitalization Shanshui Lintian Lakei.**

## 1. Introduction

Carrying out comprehensive land remediation across the entire region can further strengthen the ecological protection of land resources in China. While effectively alleviating the contradiction between supply and demand of land resources, it is also conducive to promoting the synchronization of rural revitalization and urban-rural coordinated development strategic planning in China. It has a very positive role and significance in the construction of national ecological civilization [1-3].

Accelerating the ecological protection and restoration of mountains, rivers, forests, fields, and lakes, achieving pattern optimization, system stability, and functional enhancement, is related to the construction of ecological civilization and the process of building a beautiful China, as well as national ecological security and the sustainable development of the Chinese nation. For a long time, influenced by factors such as high-intensity land development and construction, mineral resource development and utilization, some ecosystems in China have been severely damaged and degraded, and some core areas related to ecological security patterns have been affected and damaged to varying degrees by production and living activities, resulting in a continuous decline in the ability to provide biological products. Due to a lack of systematic and holistic consideration, some of the ecological protection and restoration work previously carried out objectively has a situation of individual efforts, and the effectiveness of ecological remediation and restoration is not ideal. The performance of financial funds needs to be further improved [4].

The country attaches great importance to the construction of ecological civilization and has made clear deployment requirements for carrying out ecological protection and restoration. Carrying out ecological protection and restoration of mountains, rivers, forests, fields, and lakes is an important content of ecological civilization construction, a powerful measure to

implement the concept of green development, and an inevitable requirement to solve ecological and environmental problems[5]. All regions should fully recognize the importance and urgency of carrying out ecological protection and restoration of mountains, rivers, forests, fields, and lakes, actively carry out work with a high sense of responsibility and mission, and continuously create new prospects for ecological protection and construction.

The rural landscape, forest, farmland, and lake model under the background of comprehensive land consolidation takes "farmland" as the core, and "farmland" means agriculture. The direct meaning is to improve cultivated land into high standard farmland through land consolidation. In a broad sense, it can be extended to take the overall land consolidation as the main line, combine small watershed comprehensive management, and collaborate with multiple departments to build beautiful and livable villages, in order to achieve modernization of agriculture and rural areas.

## 2. Targets

As an innovative strategy to promote rural revitalization and urban-rural coordinated development in the new era, comprehensive land consolidation requires cooperation and joint efforts from multiple departments, and the implementation of projects is interconnected in order to achieve a prosperous path of socialist rural revitalization with Chinese characteristics.

Under this model, we must prioritize the development of agriculture and rural areas, establish and improve the integrated development system and policy system of land remediation and small watershed governance in accordance with the overall requirements of prosperous industries, livable ecology, civilized rural culture, effective governance, and affluent living. We will coordinate the improvement of rural arable land and the comprehensive construction of mountains, rivers, forests, fields, and lakes within the watershed, add value to agricultural products, and accelerate the modernization of rural governance system and governance capacity, Accelerate the modernization of agriculture and rural areas, follow the path of socialist rural revitalization with Chinese characteristics, make agriculture a promising industry, make farmers an attractive profession, and make rural areas a beautiful home for living and working in peace and contentment.

It is expected that by 2035, significant progress will be made in rural revitalization, and the institutional framework and policy system will be basically formed. The comprehensive agricultural production capacity has steadily improved, the quality of the agricultural supply system has significantly improved, and the level of integrated development of rural primary, secondary, and tertiary industries has further improved; The channels for increasing farmers' income have been further expanded, and the gap in living standards between urban and rural residents continues to narrow; Deepening the construction of rural infrastructure, significantly improving the living environment in rural areas, and solidly advancing the construction of beautiful and livable rural areas; The level of equalization of basic public services in urban and rural areas has been further improved, and the system and mechanism for urban-rural integrated development have been preliminarily established; The attraction of rural areas to talents is gradually increasing; The rural ecological environment has significantly improved, and the agricultural ecological service capacity has further improved; Further improving the rural governance system; The ideas and measures for promoting rural revitalization in various regions and departments have been established.

## 3. Development Path

Consolidate the foundation of agricultural production capacity. Deeply implement the strategy of storing grain in the land and storing grain in technology, strictly adhere to the red line of arable land, ensure national food security, and firmly hold the rice bowl of the Chinese people

in their own hands. Fully implement the special protection system for permanent basic farmland, accelerate the delineation and construction of grain production functional zones and important agricultural product production protection zones, and improve support policies. We will promote large-scale rural land remediation and the construction of high standard farmland, steadily improve the quality of farmland, strengthen supervision and assessment, and local government responsibilities. Strengthen the construction of farmland water conservancy and improve the ability to resist drought, flood control, and waterlogging. Implement the national agricultural water-saving action, accelerate the construction and modernization of irrigation areas, promote the standard and quality improvement of small-scale farmland water conservancy facilities, and construct a batch of major and efficient water-saving irrigation projects. Accelerate the construction of the national agricultural science and technology innovation system, and strengthen the construction of science and technology innovation bases for the entire industry. Deepen the reform of the transformation, promotion and application of agricultural scientific and technological achievements. Accelerate the development of modern crop, livestock and poultry, aquatic products, and forest seed industries, and enhance independent innovation capabilities. High standard construction of national southern breeding base. Promote the transformation and upgrading of China's agricultural machinery and equipment industry, strengthen joint research institutions and equipment manufacturing enterprises, further improve the localization level of bulk crop machinery, accelerate the research and development of economic crops, aquaculture, and agricultural and forestry machinery in hilly and mountainous areas, and develop high-end agricultural machinery and equipment manufacturing. Optimize the structure of agricultural practitioners and accelerate the construction of a team of knowledge-based, skilled, and innovative agricultural operators. Take mountains, rivers, forests, fields, lakes, and grasses as a community of life, and carry out unified protection and restoration. Implement important ecosystem protection and restoration projects. Establish a sound system for the recuperation and development of arable land, grasslands, forests, rivers, and lakes, and classify and orderly exit overloaded marginal production capacity. Expand the pilot system of farmland rotation and fallow cultivation. Scientifically delineate restricted and prohibited fishing areas for rivers, lakes, and seas, and improve the system for protecting and restoring aquatic ecosystems. Implement dual control actions on the total and intensity of water resource consumption. We will carry out river and lake water system connectivity and rural river and pond dredging and renovation, and comprehensively implement the river and lake chief systems. Intensify the comprehensive reform of agricultural water prices. Carry out land greening actions and promote comprehensive management of desertification, rocky desertification, and soil erosion. Strengthen wetland protection and restoration, and continue to carry out the return of farmland to wetlands. Improve the natural forest protection system and include all natural forests in the protection scope. Expand the conversion of farmland to forests and grasslands, and establish a long-term mechanism for consolidating achievements. We will continue to implement key forestry projects such as the construction of the Three-North Shelterbelt Program system, and implement the project to precisely improve forest quality[6]. Continue to implement subsidy and reward policies for grassland ecological protection. Implement major biodiversity conservation projects to effectively prevent the invasion of foreign organisms.

#### 4. Work Measures

Firstly, the government should take the lead and encourage the active participation of the people in the pilot areas and related project areas of land remediation work through multi departmental collaboration. With the joint efforts, unity, and coordination of multiple parties, the effective implementation and promotion of the rural revitalization plan should be promoted

through the effective implementation of the entire land remediation work. Among them, with the government as the leading force and through the collaboration of multiple functional departments of the government, promoting the orderly development of land remediation work in the entire region, on the one hand, it is necessary to establish and continuously improve the organizational structure of land remediation work in the entire region with the government as the leading force. Through the joint cooperation of the government's land and agriculture, forestry, water conservancy, finance and other departments, corresponding leadership groups for land remediation work should be established, Reasonably formulate relevant policies and systems for land remediation work, and strengthen comprehensive supervision and implementation of land remediation work through task deployment[7]. Actively coordinate and solve problems in the implementation of land remediation work, in order to promote the orderly progress of various work. On the other hand, we should fully leverage the participation of the masses, actively call on and encourage them to participate in land remediation work, strengthen the construction of land remediation projects, promote the rational allocation of resources and funds, and promote the smooth implementation and promotion of the rural revitalization plan strategy.

Secondly, it is necessary to increase investment support for land remediation in the entire region, continuously expand the funding channels for land remediation in the entire region, and with sufficient resources and financial support, promote the orderly implementation of land remediation work in the entire region, ensuring significant results in its implementation. To increase investment support for land remediation projects in the entire region, on the one hand, government departments need to increase financial support for land remediation projects in the entire region. In terms of government budget and relevant policy support, it should be appropriately tilted towards rural land remediation projects, and with sufficient funding and policy support, promote the orderly development of their related work. At the same time, it can also be achieved through effective integration of agricultural investment and active guidance from government departments, To organically integrate the construction of rural collective economy, agricultural deep development, river regulation and other projects, in order to promote the coordinated development of multiple industries; In addition, actively guide and support private capital to effectively invest in land remediation work and related project construction, and promote the industrialization and development of rural economy through a reasonable financing structure.

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