



Current Situation and Optimization Measures of Land Resource Management

Dongya Liu

Tianjin University of Commerce, Tianjin 300000, China
DOI: 10.32629/aes.v4i4.1574

Abstract: In recent years, with the continuous expansion of urban scale, the population living in cities has been increasing, and land resources are becoming increasingly scarce. With the development of society, people's attention to land resources is also increasing. In this situation, it is important to recognize that in order to promote better economic development and overall social development. And it is necessary to optimize the management and allocation of land resources, and develop feasible optimization measures based on development issues to promote sustainable development of land resources.

Keywords: land resources, current situation, optimization measures

1. Introduction

Due to the abundant land resources and significant geological features in our country, the management of land resources is an issue that cannot be ignored. The use value of many land resources in our country is relatively high, but due to the large population and population base, the optimal allocation of land resources is particularly important. Only by keeping up with the times and effectively solving these problems in the use and management of land resources can we better meet the production and living needs of the vast majority of the people. Therefore, it is necessary to always adhere to the work philosophy of seeking truth from facts, grasp the core contradictions in land resource management work, and ensure the reasonable allocation of land resources on the basis of further adjustment and optimization upgrading.

2. Overview of Land Resource Management

Land resource management is not only related to people's daily lives, but also to the strategic development of the country. Effective management of land resources can effectively protect them. With a solid foundation, the country will manage land resources more comprehensively and systematically, reduce human damage to land resources, and thus achieve a virtuous cycle. The land resource management model in our country mainly mobilizes the public's enthusiasm through publicity and education, and enhances the public's awareness of land protection through policy interpretation, in order to achieve active cooperation with government work. At the same time, it is necessary to plan land resources reasonably and severely punish illegal activities that damage land resources.

3. Current situation of land resource management

3.1 Low level of informatization

Currently, there is a problem of low level of informatization in land resource management in various regions. Due to the limited financial and human resources invested in information technology construction, as well as incomplete laws and regulations related to information technology construction, the current land resource management work lacks a relatively complete information management organization, weak awareness of information management, insufficient professional technical level, and blocked channels for information transmission, storage, processing, and sharing. This has caused certain obstacles to the modernization of land resource management and the improvement of land resource utilization level.

3.2 Inadequate management and supervision

Land resource management requires high practicality, and it is also important to establish an awareness of intensive management. However, currently, in some places, the efficiency of land resource management is low, and regulatory work is often overlooked. Rural residents have a relatively single and rigid concept of land protection, often focusing their attention on family and personal interests. Many rural residents build houses directly to expand their homesteads, and their actual living area greatly exceeds the national standards. Some cities and rural areas neglect the scientific utilization of land resources and the effective implementation of the scientific development concept while promoting economic development. The ex-

cessive use and occupation of agricultural land has become an important factor restricting the sustainable development and utilization of land resources. In the development of urbanized areas, some construction work is not ideal. Some management personnel have not taken a long-term development perspective into consideration and overly focused on developing areas, resulting in many blind expansion phenomena and causing a lot of damage to farmland. In the later stage of construction, due to the lack of sufficient financial support and reasonable planning in the early stage, some land was directly idle, resulting in serious waste of land resources.

3.3 Insufficient Land Resource Management System

Currently, the contradiction between urbanization and rural land use is the most prominent issue in China's land resource management work. From the perspective of land resource development in various regions of the country, it is urgent to establish a comprehensive urban-rural construction land management system to achieve a balance between the two. However, there are still many problems in the construction of land resource management systems in many regions of China. Many management departments still adopt the traditional management method of "building first and then governing", which is outdated in concept and cannot meet the development needs of the new era.

3.4 Insufficient government funding

Land resource management involves a wide range of aspects, complex content, and consumes a lot of resources. To ensure its efficient implementation, sufficient financial investment is needed as a guarantee. However, at present, the country's investment in land resources is relatively small, and the infrastructure is backward, which restricts the smooth progress of land resource management.

4. Optimization measures for land resource management issues

4.1 Applying Geographic Information Systems for Management

In land resource management, it is necessary to use geographic information management systems to analyze the content of land management work and perform logical queries on it. While applying geographic information management systems, it is also necessary to update the measured and stored data, based on new surveying and mapping methods, to make up for the shortcomings in surveying and mapping work. In the process of applying information technology, it is necessary to continuously adjust and optimize information management methods to ensure their actual functionality.

4.2 Strengthen government supervision

In terms of optimizing land resource allocation, the government should establish effective control and supervision mechanisms to achieve optimal land management. On the basis of fully understanding the land use situation in various provinces, a preliminary understanding of the current land market is carried out, and a scientific and standardized management system is designed. It is gradually implemented in grassroots work in a hierarchical management manner. With the help of high-tech technology, the government can regulate land resources by creating a data information database, conducting land resource utilization registration on a quarterly and annual basis, and formulating relevant plans based on the actual utilization status of land resources, in order to implement them layer by layer and achieve the goal of optimal allocation. To provide strong guarantees for improving land use efficiency and promoting the development of the national agricultural economy.

4.3 Reasonable utilization and planning of land resources

The rationality and feasibility of land resource planning are important factors determining regional economic development. Reasonable utilization and planning of land resources have a certain impact on local culture and environment. The rationality of land resource planning will affect the coordinated development of management institutions. In the process of utilizing land resources, it is necessary to comprehensively consider the local population size, economic consumption capacity, and industrial development level, and formulate a land planning scheme that is suitable for the actual needs of the local area. Through scientific and reasonable planning, it can better promote the development of the local economy and leave room for further technological development. In addition, it is necessary to highlight distinctive development, formulate development plans based on local conditions, evaluate the level of industrial development in each region, and ensure that the pace of industrial development is in line with the pace of land resource development and utilization, without wasting land resources and hindering economic development. The lack of coordination between urban development and planning may lead to the consumption of land resources exceeding the economic development of the city, and the construction and planning of residential areas cannot meet the level of economic development. Government departments should not only balance economic development, but also accelerate the utilization of land resources for urban development. If urban resources

are excessively developed, it will lead to the destruction of its original ecological environment and have adverse effects on future development.

4.4 Increase government funding investment

At present, there are still significant shortcomings in the infrastructure construction of land resource management in China. Local governments at all levels are increasing financial allocations and continuously improving the supporting facilities of land resources. In terms of ideology, we should pay attention to the management of land resources, provide financial support in action, focus on the economic income of displaced farmers, and adopt appropriate measures to enable them to better obtain more income. Increase government funding by increasing land acquisition compensation standards or establishing employment assistance systems to provide direct economic compensation or employment opportunities for displaced farmers.

4.5 Improving Management Technology Level

At present, there are certain restrictions on land management technology in many parts of China, which requires the government to adopt appropriate methods to introduce, transform, and upgrade land resource management technology according to financial conditions, mainly including information collection technology, real estate evaluation technology, environmental evaluation technology, etc. In this process, attention should be paid to training land management talents, providing them with professional knowledge and skills, improving their management skills, giving them an advanced awareness of land management, strengthening their knowledge reserves in land management, improving their professional skills, and establishing a land management team with rich professional knowledge reserves, excellent professional skills, and good professional ethics. At the same time, it is necessary to strengthen the informatization of land resource management, build a comprehensive land resource information database, achieve the sharing of land resource information, and provide data support for the efficient development and utilization of land resources.

5. Conclusion

In summary, although China has a relatively large land area, its utilization efficiency is relatively low, resulting in the waste of land resources. This requires the land resource management department to solve problems in a timely manner and formulate targeted countermeasures to improve the efficiency of land resource utilization in China and ensure the sustainable and healthy development of land resource management. With the deepening of urban-rural integration, how to effectively utilize land resources, optimize current land management methods, and improve land resource utilization has become an important issue for future urban development. With the vigorous promotion in recent years, the concept of intensive land management has gradually been recognized by various sectors of society. Compared with traditional extensive land management models, intensive land resource management models can more effectively utilize resources.

References

- [1] Liu Boai. Application Analysis of Land Survey Database in Land and Resource Management [J]. *China Real Estate Industry*, 2021 (2).
- [2] Zhang Zhili, Wei Chun. Problems and Countermeasures of Overplanning and Development in Land Resource Management [J]. *Value Engineering*, 2021, 40 (7).
- [3] Zhao Qingda, Cai Hongyan. The Relationship and Key Points of Land Use Transformation and Land Resource Management [J]. *Nongjia Science and Technology* (Second Quarter), 2021 (1).