Study on Ecological Environment and Ecological Planning of Small Summer Resort Based on User Experience

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Abstract. With the rapid development of tourism, eco-tourism has become an important development direction of tourism. The tourism resources and environmental conditions of small summer resorts determine that small summer resorts are ideal places to develop ecotourism, but the ecological environment of small summer resorts is extremely fragile. Therefore, in the development of ecotourism, the development of small summer resorts must take the protection of ecological environment and ecotourism resources as the premise and the development of ecotourism products as the basic idea. This paper attempts to study the ecological environment and ecological planning of small summer resorts from the perspective of user experience. This paper analyzes the ecological aesthetic characteristics of small summer resorts from the aspects of natural landscape, landscape architecture and ecological environment, in order to broaden the research horizon of small summer resorts. Especially, the plant arrangement and management of small summer resorts are the key to protect the ecological environment of small summer resorts, and must take into account the landscape aesthetics and the natural laws of the ecosystem.

1. Introduction
As a new type of tourism activity, ecotourism has a profound social, economic and cultural background. On the basis of investigation and study, according to the theory of tourism planning and ecology, guided by sustainable development, the tourism activities of tourists are organically combined with the environmental characteristics by conceiving and arranging the development status of ecotourism in the future [1]. The concrete connotation of eco-city construction is to apply the theory of sustainable development, ecology and ecological economics, and to promote the transformation of economic growth mode and improve environmental quality as the premise. Small-scale summer resort is an open system that continuously exchanges material and energy with the natural ecological environment. Various natural factors such as atmosphere, water, soil and biology are the material basis of small-scale summer resort [2-3]. With the sustained economic growth, environmental pollution is becoming more and more serious. Therefore, the spatial control of ecological environment is one of the effective measures to improve China's environmental problems. Based on the user experience and in-depth analysis of the development conditions of scenic spots, this paper puts forward the development mode of small-scale summer resort eco-tourism scenic spots, and carries out tourism planning and design for the scenic spots, which has important practical significance for guiding the development and planning of small-scale summer resort eco-tourism scenic spots.
2. Principles of Ecotourism Planning for Small Summer Resorts

2.1. Principle of moderate development and sustainable development
The real eco-tourism planning must take the ecological principle and the requirement of sustainable development as the guiding ideology, dissolve the awareness of environmental protection into the whole planning, make a detailed layout, and put forward specific measures, so that eco-tourism can really play a role in promoting the sustainable development of tourism. In order to enjoy and appreciate the historical and existing natural and cultural landscape, the responsible tourism behavior in a certain natural region should be carried out without disturbing the natural region, protecting the ecological environment, reducing the negative impact of tourism and providing beneficial social and economic activities for the local population. If there is no huge water network, the primitive simplicity of the small summer resort cannot be discussed, and its ecological environment will be single and fragile.

The construction of ecological small-scale summer resort is a small-scale summer resort, which starts from decision-making, guides economy, society, resources and environment by planning, and establishes efficient utilization of material, energy and information, as well as a good ecological cycle. Through the design of large space, same column network and same load building, the scenic area is divided reasonably, and the division is clear, simple and fast, so that tourists can enjoy high-quality small summer resort services. Various garden buildings with different styles, such as buildings, pavilions, terraces, pavilions, etc., are scattered in the mountain spring stone forest with natural and varied shapes, so that all these things look as if they were made in heaven. In the harmonious integration of man and nature, grasping the realm of melting things, the natural unity of man and all things is undoubtedly the ecological equality view of characters.

2.2. Protective principle
With the deepening of the thought of "sustainable development" and the development of international tourism, the concept of "eco-tourism" is gaining popularity in China. It is necessary to effectively protect the ecosystem diversity, species diversity, landscape diversity, sustainability of ecotourism resources utilization, cultural integrity, continuity of "context", etc. [6]. The plant arrangement of mountain villa should follow the basic laws of plant landscape in classical gardens and combine with new technologies and achievements of modern plant cultivation. The planting of trees, flowers and plants takes the fast-growing plant varieties as pioneer species, which plays the role of fast soil fixation and greening. The construction of natural ecological environment is a complex systematic project, involving a wide range of aspects, and it is managed by many people. Therefore, the small summer resort is more suitable for sightseeing, the harmony between man and nature is realized, and it is more conducive to the all-round development of economy, society and people, which is in common with the theme of "people-oriented".

2.3. The original principle of nature and culture
Under the guidance of ecology and sustainable development theory, eco-tourism takes natural areas or some specific cultural areas as objects, takes enjoying nature, understanding and studying natural landscapes, wildlife and related cultural characteristics as tourism purposes, and takes the effective circulation of ecological system as the purpose. The original taste of nature and culture determines the taste and attraction of resources to tourists and community residents, and it is also the need to ensure the sustainable development of natural and cultural resources. Including landscape type diversity, patch diversity and pattern diversity. Among them, the measurement indicators of type diversity include diversity and dominance; The measurement indexes of pattern diversity include separation degree, etc. The indicators of plaque diversity include fragmentation, etc. Based on the natural ecosystem, carry out tourism activities with the natural environment as the unit. Taking the ecological beauty landscape as the attraction, at the same time, realize the tourism enjoyment for tourists to experience, understand, know, learn, appreciate and study the ecological landscape, be responsible for
the economy, society and culture of the tourist destination, and protect the ecological, social and
economic environment on which eco-tourism depends [7].

Dredging and draining water is a difficult problem to protect the ecological environment of water
system in small summer resorts, and it is a costly and time-consuming work. However, without this
work, other plant arrangement, stocking aquatic animals and even tourism projects can only be
discussed on paper. From the aesthetic taste of Taoism, the small summer resort is clear and dusty,
while the lakes and waters borrow shadows from water, the mountains and forests borrow sounds and
sounds, and the natural scenery is fragrant and pleasant, which deepens the artistic conception of
gardens. Pay special attention to the principles of development and protection. In order to ensure that
the developed eco-tourism area is in a balanced and stable state for a long time, create a sustainable
ecological environment, ensure a virtuous circle of eco-tourism, and return to natural green tourism,
conservation tourism and sustainable development tourism. Tourism connotation breeds the elegant
quality of science and culture, and takes ecological thought as the ideological basis; Tourism
foundation should be coordinated with the local natural and cultural landscape, so as to protect the
ecological beauty of harmony between man and land from damage and avoid transferring modern
civilization to tourist attractions.

3. Landscape Ecological Environment and Ecological Planning and Design of Small Summer
Resort

3.1. Vegetation planning
Small summer resorts should be characterized by jungle and grassland landscapes, forming a garden
pattern with sparse forests and grasslands, and showing the charm of simple small summer resorts.
Coordinate the relationship among ecological benefits, social benefits and economic benefits, the
relationship between eco-tourism and other industries in this area, as well as the relationship between
sub-systems within eco-tourism, and the relationship between eco-tourism construction projects and
service facilities and eco-tourism resources [8]. In order to further prevent soil erosion, increase the
level of landscape and the diversification of ecological environment, and try to meet the aesthetic taste
of classical gardens, tree species with beautiful meanings and beautiful trees should be selected. Fast-
growing sub-trees such as Koelreuteria paniculata, Gleditsia sinensis and Syringa oblata can be
planted in the middle and lower part of the slope bank, and Pinus tabulaeformis and Pinus massoniana
can be planted in the later stage; At the foot of the mountain, flower shrubs such as Ribbon Flower,
Lonicera japonica Thumb., Plum Blossom, Taiping Flower and Yellow thorn should be planted to form
a good combination of arbor, shrub and grass. In its construction content, ecological civilization
should first realize natural ecologicalization, economic ecologicalization and social ecologicalization,
realize the overall coordination and optimization of the system, and then realize the common evolution,
harmonious development and symbiosis and common prosperity between man and nature. Natural
ecologicalization is the foundation of this construction goal. The barren hills around small summer
resort should be afforested according to local conditions to enrich the mountain color. For the reverse
succession area, grass should be planted first, and the humus should reach a certain thickness before
planting trees.

3.2. Fully protect and utilize natural landscapes
Natural mountains and water are the characteristic environment of small summer resorts, which are
not only the components of the natural ecological environment of small summer resorts, but also the
foundation of other ecological environments. Among the beauty of the villa, each group of
architectural landscapes has its own characteristics. The landscape of flat buildings is mainly built in
palace area, lake area and plain area. Reasonable and moderate development is complementary to
protection and development, aiming at restoring and conserving ecological service functions and
strengthening ecological construction. To strengthen the enforcement of garden law, we should
discover and stop the acts that destroy the garden landscape in time, regardless of the harm, and we
must never relax this kind of behavior. We should establish people's awareness of loving the garden landscape through negative education. Add small agricultural patches, such as gardens, flower beds, vegetable fields, etc., between large natural vegetation patches and building patches, and adopt the methods of row, cluster, group and patch planting to build green corridors and flower and fruit gardens with different characteristics, forming a structural diagram combining the village-centered forest-farmer intercropping model and the courtyard economic network model around residential areas; All grasslands in scenic spots cannot be used for tourism development, and certain protected areas should be designated to allow their natural evolution, so as to achieve the dual purposes of natural protection and development control areas.

To develop eco-tourism in small summer resorts, firstly, eco-tourism developers and operators should establish the concept of sustainable development, pay attention not to sacrifice the ecological environment, local traditional culture and historical heritage, so as to facilitate the long-term sustainable utilization of tourism resources, and make corresponding regulations to prohibit all kinds of predatory tourism development and business activities. Construct an ecological system framework with water conservation forest along the river, windbreak and sand fixation forest along the edge dam, economic forest of water conservation in low mountains and hills, farmland protection forest in mountainous valleys and greening and beautifying scenic forest along the ring road as the main body. It is also necessary to stack a large number of earth mountains and stone mountains by hand, and build numerous buildings in between, so as to achieve transition and overall harmony with the mountains, thus embodying the characteristics of the mountain villa everywhere. Implement appropriate ecological compensation for residents who contribute to ecological protection in the region, vigorously promote ecological protection and construction, and carry out ecological migration in areas with fragile and sensitive ecological environment. These native plants play a stabilizing role in protecting the ecological environment of the mountain villa, which determines the ecological environment characteristics of the mountain villa. Therefore, when replanting tree species in plain areas, we must give priority to native tree species and properly plant new varieties cultivated by modern garden technology.

3.3. Guide area of resource development environment
Guide the orderly development of resources, focus on controlling the impact of resource development on the surrounding ecological environment, and ensure the safety of regional ecological environment. However, the prominent feature of mountain buildings in the mountain villa is that they do not deliberately increase the height or volume of buildings, but make full use of the terrain level difference to obtain the high and low scattered buildings, so as to achieve the effect of distinct primary and secondary. Adjust the construction layout of small summer resorts and do a good job in residential building. According to the current development status of small summer resorts, the built-up area is saturated, and the newly-built units should develop to the development zone. The planted plants should not be too miscellaneous, too tall or too big, but should be sparse and graceful, only embellished and paved, and should not usurp the host's role. The theme can be simple lawn grass, dotted with bonsai and flowers, and involved in garden features, such as planting peony, peony, rose, etc. Formulate norms for bidding management, quality management, evaluation and supervision; Clarify the legal responsibility of the government in the formulation and implementation of ecotourism planning; Establish a model of community participation in eco-tourism development of small summer resorts, and encourage community residents to actively participate in tourism decision-making, planning and design, project construction, operation and management, education and training, environmental conservation and benefit distribution.

Forest is not only an important landscape element, but also an important ecological element in small summer resorts. The forest cover at the top of each mountain makes the grassland landscape in the valley appear more beautiful and full of changes in form and color. Planning and design make the scenic spots have their own characteristics, such as meandering water, climbing up the mountain, or leading a secluded path, from closed forest and small summer resort space to open grassland and
mountain top space, forming a natural and harmonious small summer resort. The pruning of garden flowers and trees is very technical, which should be carried out according to the different growth habits of various flowers and trees. Therefore, garden workers should receive special training, otherwise it will cause adverse effects. Gorgeous waterscape gives people the aesthetic feeling of music based on hearing. To improve the traditional pruning techniques of plants, we can't ignore the physiological characteristics of plants for the sake of single landscape benefit [9]. Because trees are often pruned, their metabolism will be disordered, the growth speed will be slowed down, the probability of disease growth will be increased, and the ecological benefits will be reduced. Formulate technical specifications and standards for resource development, environmental protection and ecological restoration and governance, implement key projects for ecological restoration and governance, and fully implement the deposit system for ecological restoration and governance of mine resources development.

3.4. Green zoning and forest construction
Corridor planning and design highlights the optimization of forest belt, water system and road traffic, improves ecological flow channel, and forms a reasonable route system. The "water system" basically goes with the flow. The "forest belt" first builds ecological corridors and ecological strategic points in the basic pattern; The gardening of small summer resorts does not violate the laws of nature, does not destroy the ecological relationship, follows the law in the rules, is impossible in the creation, and runs freely in the law and impossibility. Especially, due to the poor fertility of newly excavated soil, it is necessary and urgent to speed up the growth of seedlings, so before planting flowers and trees, proper amount of base fertilizer must be applied. From the perspective of natural ecology and cultural ecological landscape, what attracts tourists most is that its natural ecological landscape resources have "magical" and "mysterious" environmental and moral characteristics. Secondly, ecological culture and ecological sightseeing landscape resources have the characteristics of "ancient" and "distant" cultural artistic conception. Therefore, according to the current situation and construction objectives of each district, the forest vegetation of small summer resort needs not only protection, but also renewal and construction, and it needs to improve its quality and strengthen its function.

Therefore, eco-tourism in small summer resorts is a kind of recreation way that provides the public with returning to nature and enjoying the beauty of nature. In essence, it is the organic integration of the public and nature, and it is the embodiment of people's call to establish the close relationship between human beings and nature in the ecological era. The trail or roadway in the tourist resort is often a place where tourists have more activities. On the one hand, it is a channel connecting the accommodation area with the recreation and sports activity area; on the other hand, sometimes the holiday tourists go for a walk or view directly. Mountain roads, country roads and tour lines are intertwined to form a tour network and a rural settlement connection network in the scenic area. Therefore, the development of eco-tourism products in scenic spots is all-round, and it is a diversified eco-tourism product system composed of eco-leisure, vacation, rafting, scientific research, exploration and educational tourism products. It emphasizes the diversity, regionality and participation of eco-tourism products while paying attention to the scientific nature of tourism products.

4. Summary
The introduction of the language of landscape ecology "one spot, one corridor and one base" in tourism planning is helpful for small summer resorts to realize the ideas of "planning combined with nature" and "coordination between tourism and environment" through planning and design. Eco-tourism, which originated in the era of human civilization, is an elegant and civilized form of tourism, and it is also a culturally solid science. As a kind of green tourism, eco-tourism not only promotes the development of tourism activities to high grade, but also drives the transformation of regional tourism industry to a sustainable mode of coordinated development of nature, society and economy. Establish the guiding principle of "taking environment as the starting point and users as the end point". As an advanced form in the development of small-scale summer resorts, ecological small-scale summer
resorts will be branded as "taking the environment as the starting point and the user as the end point" in every corner of the small-scale summer resorts rather than undergoing earth-shaking changes. Plant landscape should be configured, natural terrain and human landscape should be fully combined, and plane and space effects should be handled according to the situation, so as to achieve the harmonious unity of natural beauty and human beauty and make its ecosystem more stable and balanced.

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5 school-level scientific research projects (2014xsk010) project completion results;

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