

SUMMARY

According to the status quo of each land use such as mudflats, pits and ponds, water surface, farmland, etc. in Zhengzhou Yellow River Wetland Nature Reserve, as well as the ecological environment damage and ecological function degradation faced by the Yellow River Wetland, the degraded wetland in Zhengzhou Yellow River Wetland Nature Reserve will be protected and restored, and on the basis of ecological minimal intervention, the ecologically sustainable development of the Yellow River Wetland will be explored, the ecological environment of the wetland will be improved, and citizens' closeness to the nature, and realize the harmony between human and nature.

The land use status, ecological and cultural resources, topographic and geomorphological features, current problems, spatial patterns, ecological features and functional roles of Zhengzhou Yellow River Wetland are summarized, focusing on the ecological problems of the Yellow River Wetland Park, such as the Yellow River Wetland being over-cultivated, ecological environment damage, serious landscape fragmentation, and ecological function degradation, etc., and systematically analyzing the current problems and the reasons of the Zhengzhou Yellow River Wetland Nature Reserve, Characteristics of planning elements. Based on the ecological protection and restoration of the Yellow River wetland, under the premise of exploring how to restore the ecological environment of the Yellow River wetland, from the resource environment of the Yellow River wetland, and with the principles of ecological priority protection, coordinated sustainable development, and coordinated planning and zoning protection, it restores the natural ecological environment of the wetland and explores the ecological planning and designing method of wetland, taps into the characteristics of the resources of

different regions, and explores the Zhengzhou Yellow River Wetland Park's ecological Restoration and protection strategy, so as to maximise the ecological function of the wetland, become a natural ecological conservation barrier and a charming place for the display of special culture in the fringe area of Zhengzhou, and create a wetland park integrating natural ecology, popular science education, cultural display and recreation.