

ECOLOGICAL RESTORATION MODEL AND COUNTERMEASURES OF MAOMING OPEN-PIT MINE IN GUANGDONG PROVINCE

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ABSTRACT

In terms of the sustainable development of the geographical environment, ecological restoration has the leading-edge thinking change and value significance. Under the social background of realizing the coordinated development on economic and social development and ecological environment protection, this paper makes a qualitative analysis from the perspective of ecological restoration of open-pit mines, the effects of restoration and the construction, and the development of ecological parks. Based on the systems theory of mountains, rivers, forests, farmlands, lakes and grasslands (MRFFLG) and the ecological restoration method of abandoned open pit, the demonstration is carried out in combination with field investigation and network questionnaire survey. Besides, the three models of reference and integration design are quantitatively analyzed by using the four dimensions of satisfaction, attraction, improvement and future development. According to the qualitative and quantitative analysis results, the ecological restoration model and strategic thinking suitable for the long-term development of Maoming open pit mine are proposed, which has significant value for the protection and development of the national geographical environment.

KEYWORDS: *Ecological Restoration, Ecological Park, Maoming Strip Mine, Modeling.*