

Thesis Title An Application of Geographic Information System
 on National Park Management : A Case Study of
 Khao Sam Roi Yod National Park, Prachuab Khiri
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ABSTRACT

This study was undertaken to classify the zoning management within Khao Sam Roi Yod. To use Geographic Information System (GIS) as a tool supported by ARC/INFO package. Eight biophysical factors were determined for the park zoning model, including slope, elevation, soil texture, soil drainage, permeability, water resource, accessibility and landuse. Four management zones include Intensive Use Zone, Outdoor Recreation Zone, Special Conservation Zone and Recovery Zone.

The findings indicated that Khao Sam Roi Yod National Park could be conveniently the identifying suitable area of divided into the Intensive Use Zone contain 3.63 km^2 , the Outdoor Recreation Zone is about 24.58 km^2 , the Special Conservation Zone covers 94.56 km^2 and finally the Recovery Zone contains 12.98 km^2 .

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Furthermore, this study recommends further detailed research, to assess the complex nature of park management within the protect area. In addition the management zones should be reassessed at least every three years to take into account changes in land use.